

# 2021 GREEN INFRASTRUCTURE IMPROVEMENT PROJECT

## Project Partners:



Town of Arlington  
Department of Public Works  
51 Grove Street  
Arlington, MA 02476



Town of Lexington  
Department of Public Works  
201 Bedford Street  
Lexington, MA 02420



Massachusetts Office of Coastal Zone  
Management  
251 Causeway Street, Ste 800  
Boston, MA 02114



Mystic River Watershed Association  
20 Academy St., Ste. 306  
Arlington, MA 02476

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NOTES	
#	Location
1	76 River St
2	80 River St
3	54 River St
4	48 River St
5	36 River St
6	30 River St
7	26 River St
8	37 Broadway
9	43 Broadway
10	222 Broadway
11	39 Exeter St
12	40 Exeter St
13	23 Oxford St
14	6 Raleigh St
15	10 Raleigh St
16	26 Bates Rd
17	29 Bates Rd
18	16 Adams St
19	17 Adams St
20	14 Foster St
21	24 Foster St
22	22 University Rd
23	23 University Rd
24	22 Regis Rd
25	22 Yale Rd
26	37 Wyman Terr
27	50 Wyman Terr
28	68 Warren St
29	281 Mass Ave
30	327 Mass Ave

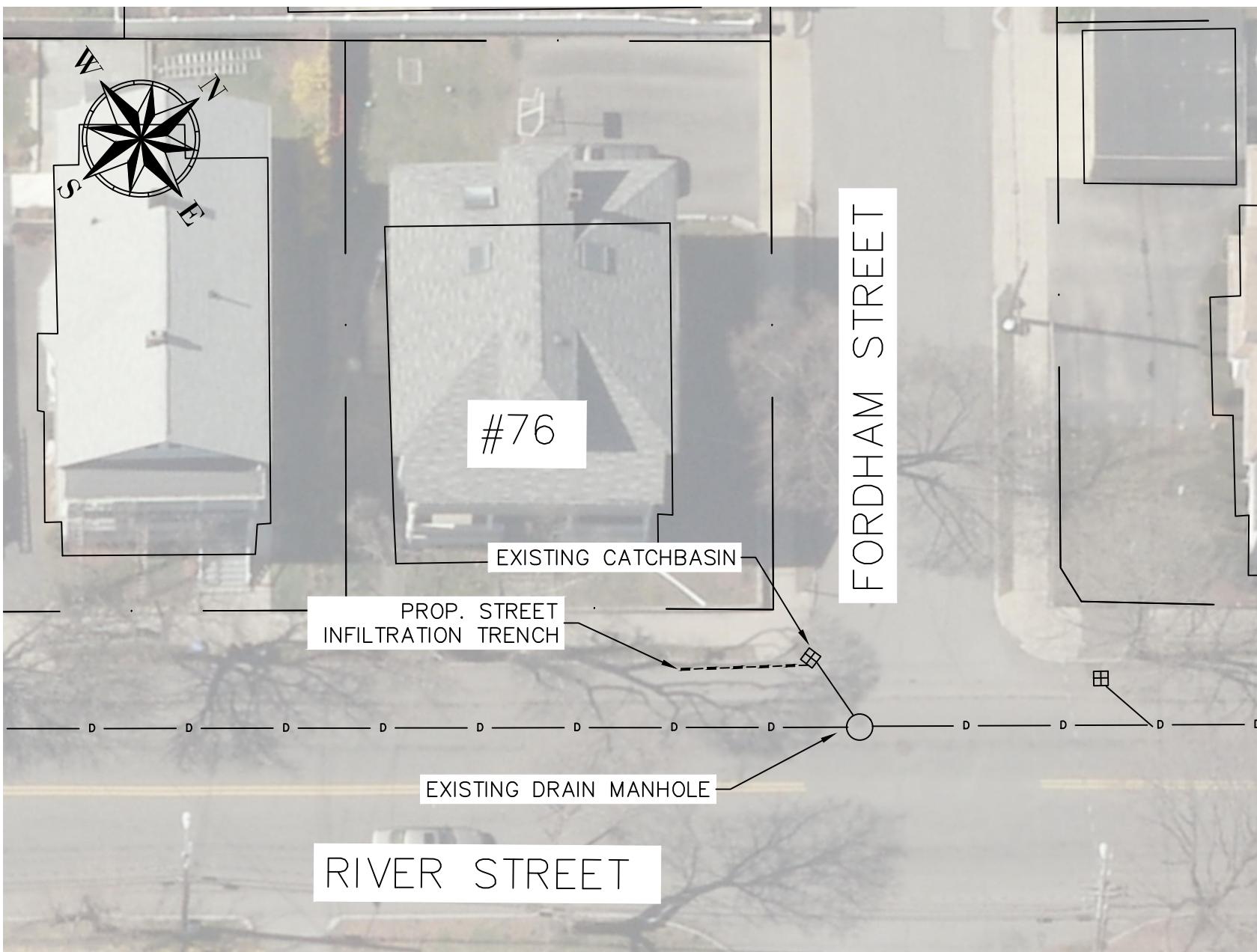
Town of  
**ARLINGTON**  
Engineering Division  
51 Grove Street  
Arlington, MA 02476

2021 GREEN  
INFRASTRUCTURE  
IMPROVEMENTS PROJECT

LOCUS - ARLINGTON

Drawn By: AC Sheet:  
Verified By: WCC  
Scale: NTS  
Date: FEBRUARY 2021

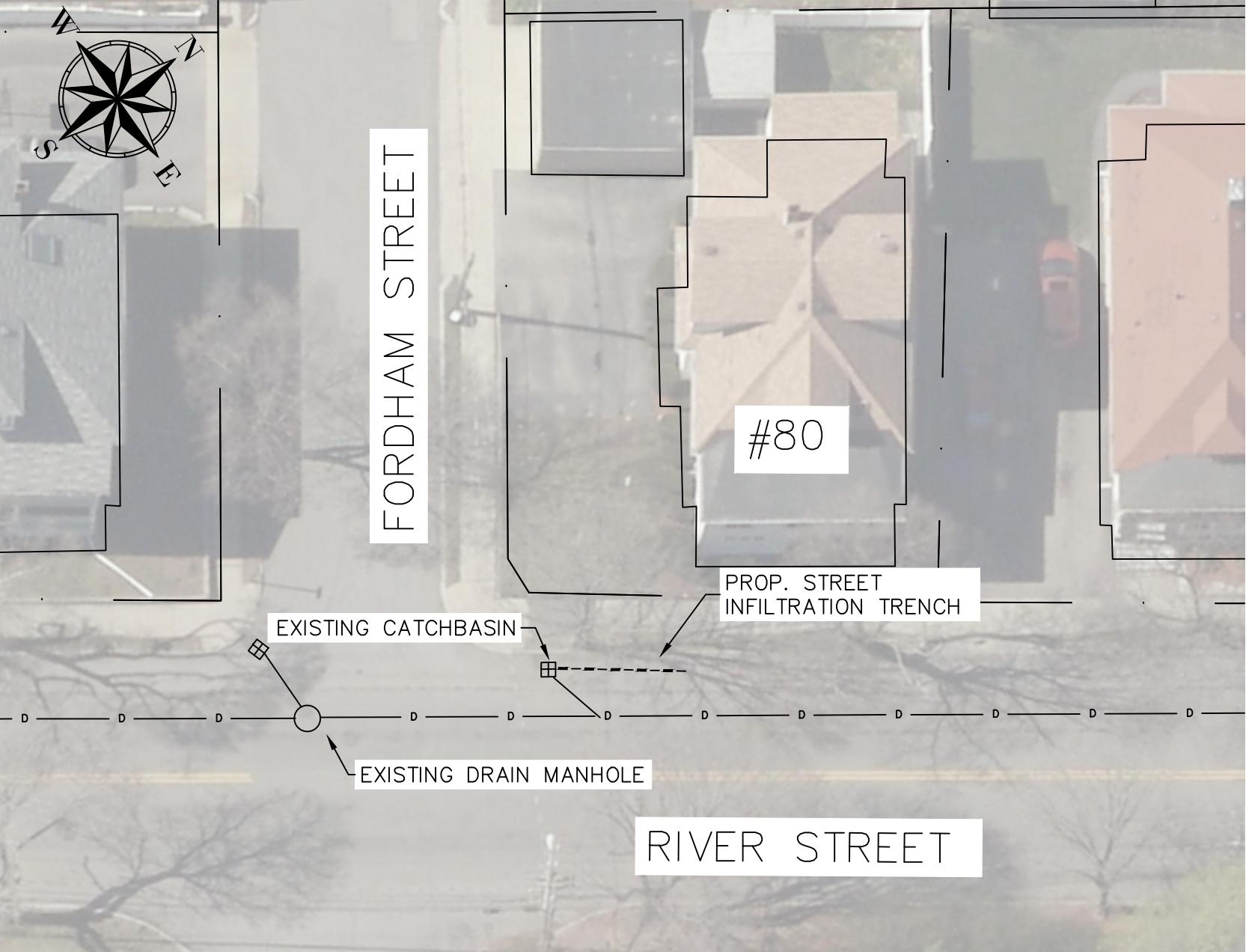
2



**LOCATION #1 - 76 RIVER STREET**

SCALE: N.T.S.

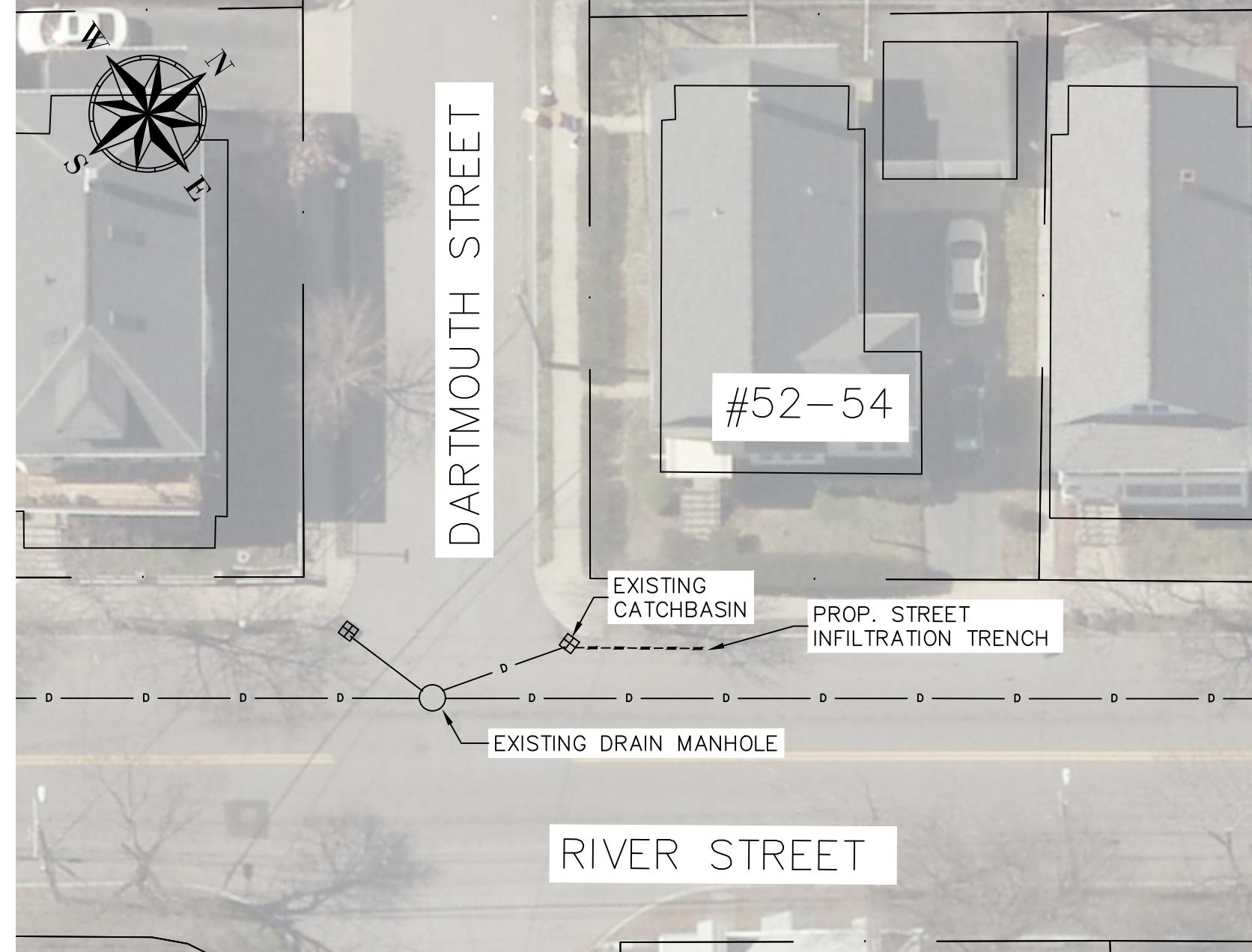
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	76 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.25	
DEPTH TRENCH PIPE INV. (FT)	2.50	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #2 - 80 RIVER STREET**

SCALE: N.T.S.

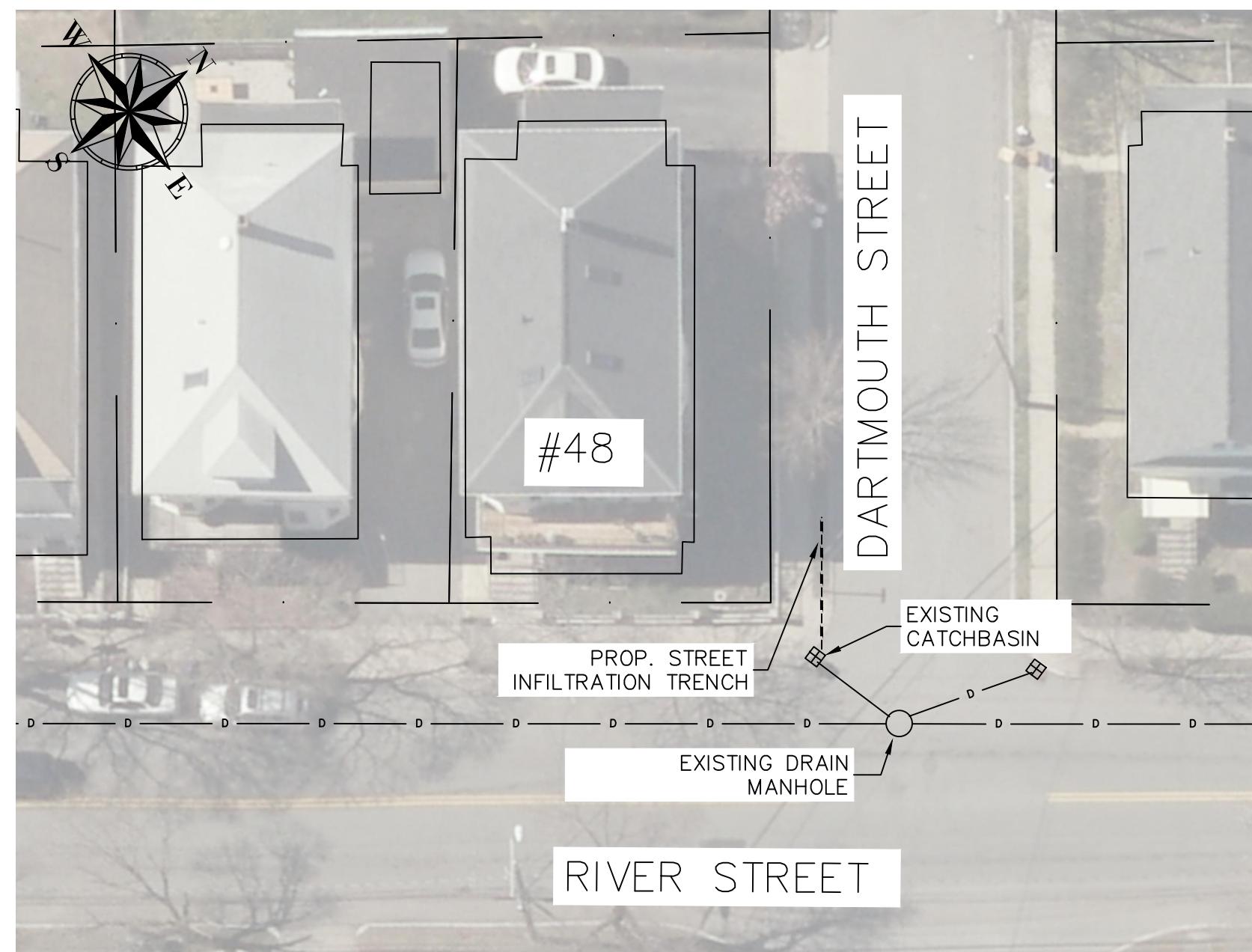
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	80 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.17	
DEPTH TRENCH PIPE INV. (FT)	2.42	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #3 - 52/54 RIVER STREET**

SCALE: N.T.S.

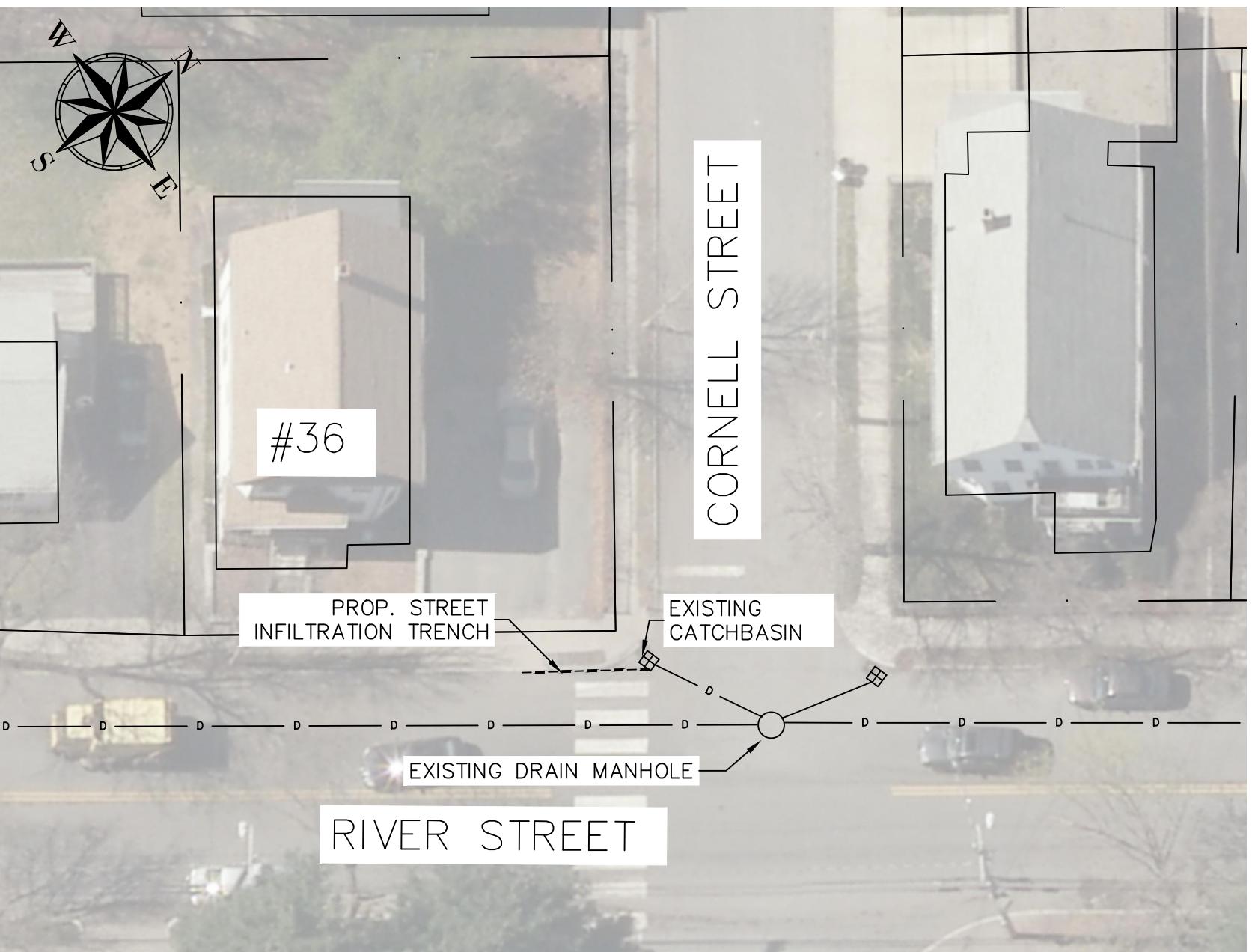
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	52/54 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.50	
DEPTH TRENCH PIPE INV. (FT)	2.75	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #4 - 48 RIVER STREET**

SCALE: N.T.S.

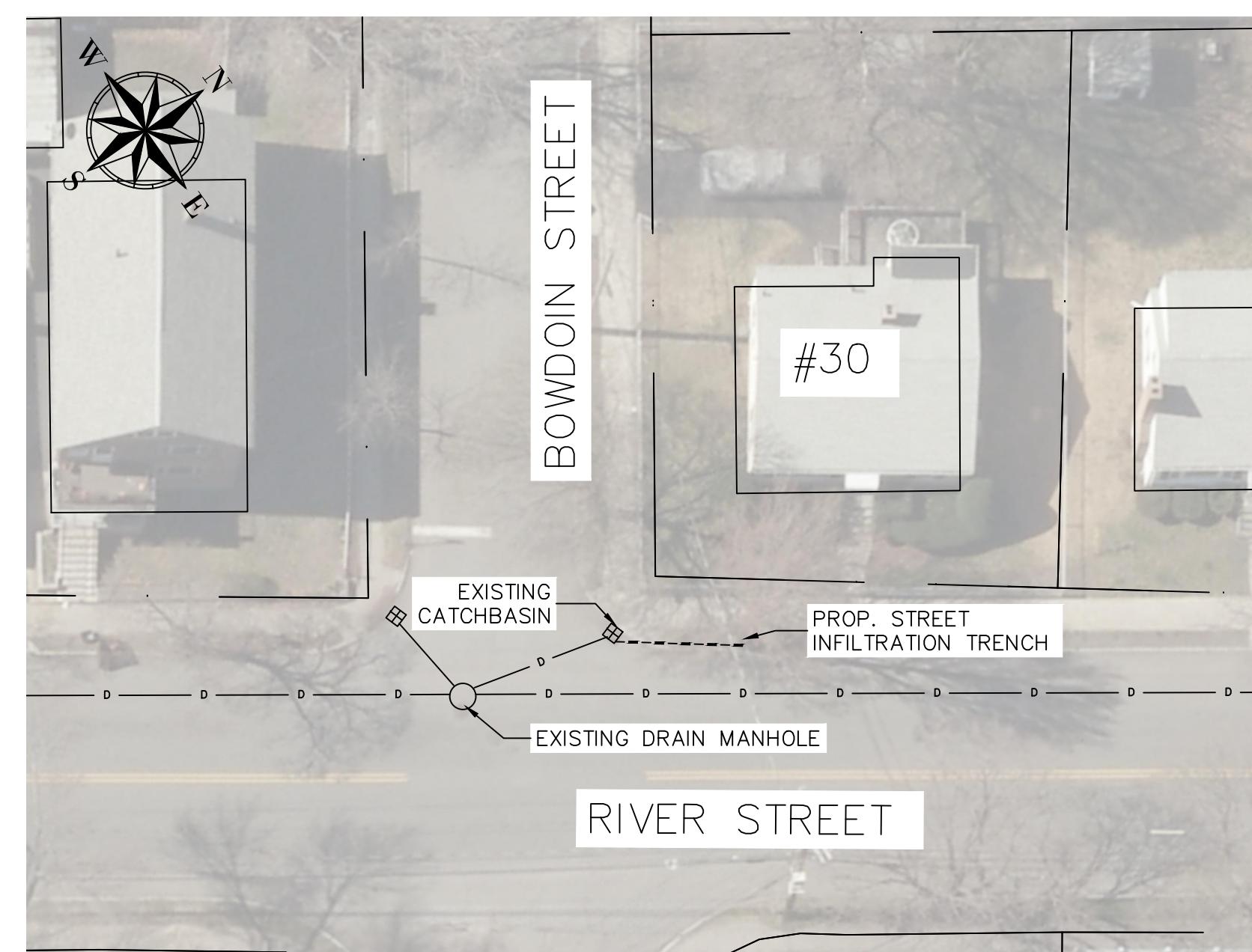
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	48 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.17	
DEPTH TRENCH PIPE INV. (FT)	2.42	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #5 - 36 RIVER STREET**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	36 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	16.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.00	
DEPTH TRENCH PIPE INV. (FT)	2.25	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #6 - 30 RIVER STREET**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	30 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.58	
DEPTH TRENCH PIPE INV. (FT)	2.83	
DEPTH TRENCH BOTTOM (FT)	5.00	

**NOTES**

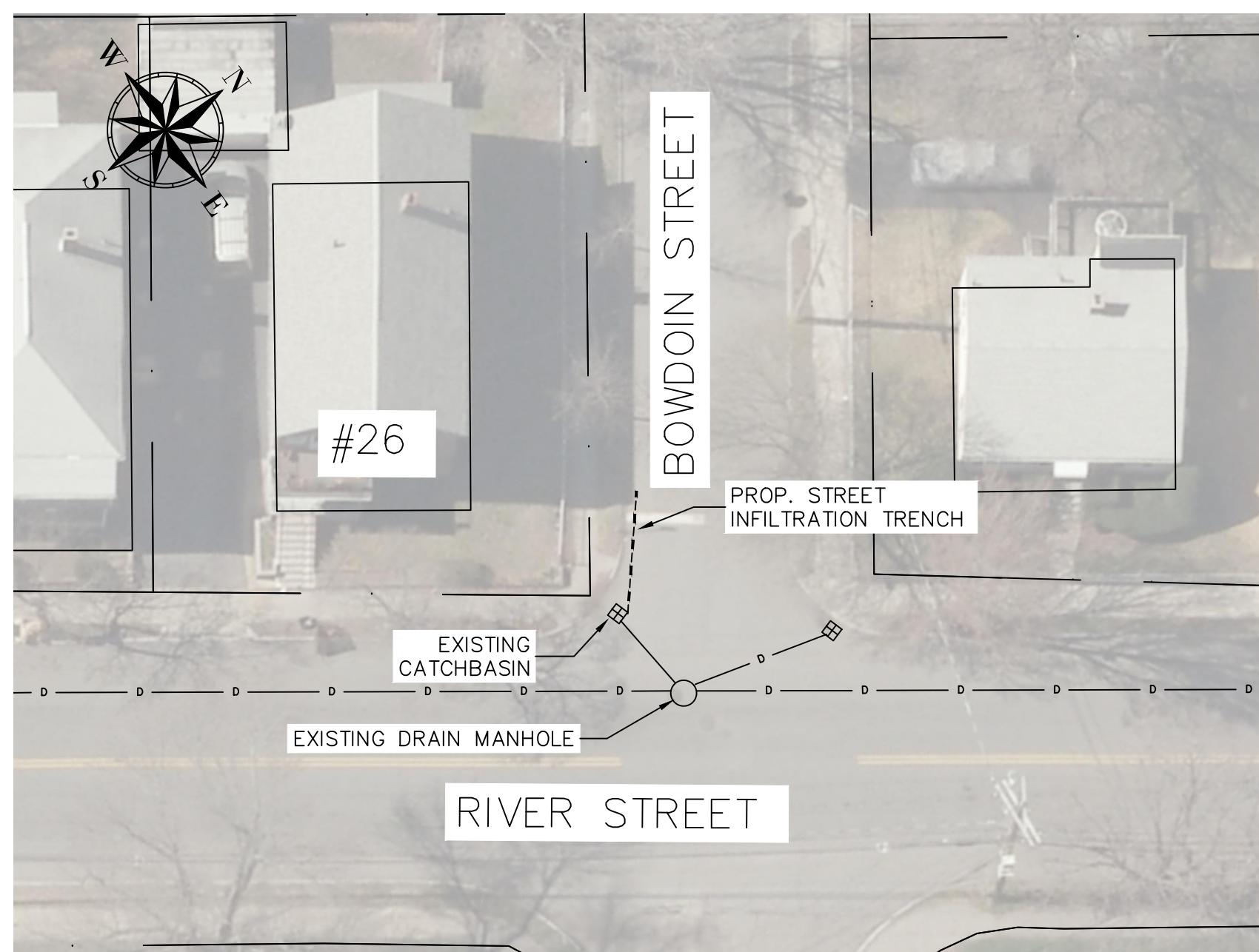
1. PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A FORMAL SURVEY OF THE PROJECT AREAS WAS NOT CONDUCTED. UTILITY LOCATIONS AND INVERT MEASUREMENTS ARE APPROXIMATE.
2. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG-SAFE AND ALL APPLICABLE UTILITIES OF THE PROPOSED WORK PRIOR TO ANY EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIG-SAFE AND MUST BE NOTIFIED DIRECTLY AT LEAST 72 HOURS PRIOR TO EXCAVATION BY CALLING 781-316-3310.
3. TRENCHES HAVE BEEN PROPOSED IN LOCATIONS WHERE NO UTILITY CONFLICTS WERE APPARENT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPLICABLE UTILITIES FOR APPROPRIATE MARK-OUTS AND CONFIRMING NO CONFLICTS ARE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER SHOULD ANY EXISTING UTILITY CONFLICTS BE IDENTIFIED WITHIN PROPOSED TRENCH LIMITS.
4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING RESIDENTS AND ADJACENTS OF ANY WORK THAT MAY INTERFERE WITH DRIVEWAY AND WALKWAY ACCESS.

5. A RELATIVE LOCAL DATUM HAS BEEN SET FOR EACH TRENCH LOCATION. THE CATCHBASIN RIM ELEVATION HAS BEEN SET TO ZERO FEET (0.0) AT EACH LOCATION.
6. EXISTING ASPHALT SHOULD BE SAWCUT PRIOR TO EXCAVATION.
7. TRENCHES SHOULD BE BACKFILLED AND COMPACTED IN 12 INCH LIFTS.
8. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE CONSTRUCTION SIGNAGE AND BARRIERS AS NEEDED AND SHALL BE INCIDENTAL TO THE CONTRACT.
9. CONTRACTOR TO MAINTAIN CLEAN WORK ZONE AND SWEEP WORK SITE DAILY.
10. PAVING TO BE COMPLETED WEEKLY.
11. EROSION CONTROL SHALL BE USED WHEN NECESSARY AND CONSIDERED INCIDENTAL TO THE CONTRACT. ANY SEDIMENT THAT ENTERS THE TOWN'S STORMWATER SYSTEM AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR.
12. CONTRACTOR SHOULD TAKE CARE TO NOT IMPACT NEARBY TREES DURING CONSTRUCTION.
13. ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.

Town of  
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51 Grove Street  
Arlington, MA 02476

2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT	ARLINGTON TRENCHES #1 - #6
Drawn By:	AC
Verified By:	WCC
Scale:	NTS
Date:	FEBRUARY 2021

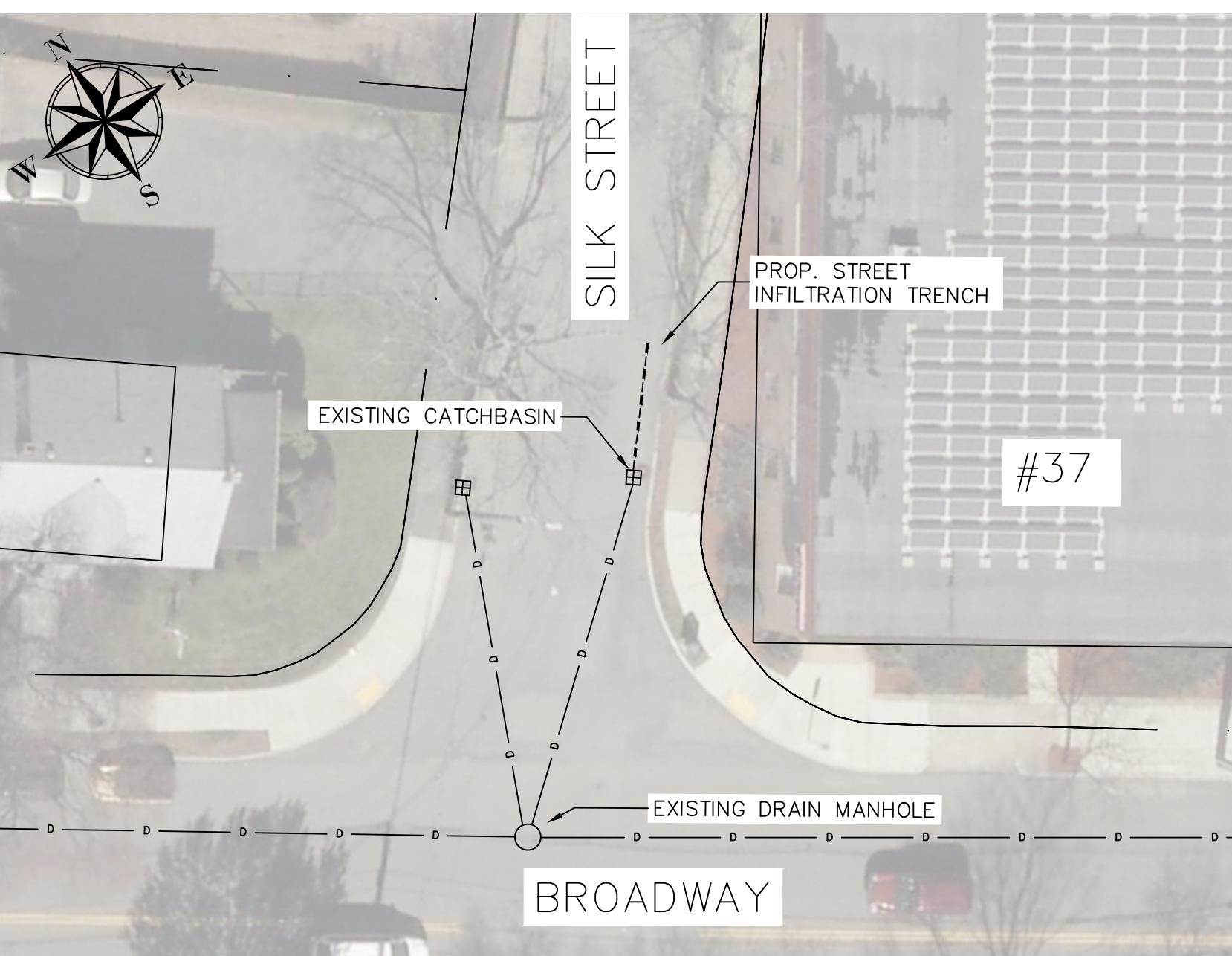
3



**LOCATION #7 - 26 RIVER STREET**

SCALE: N.T.S.

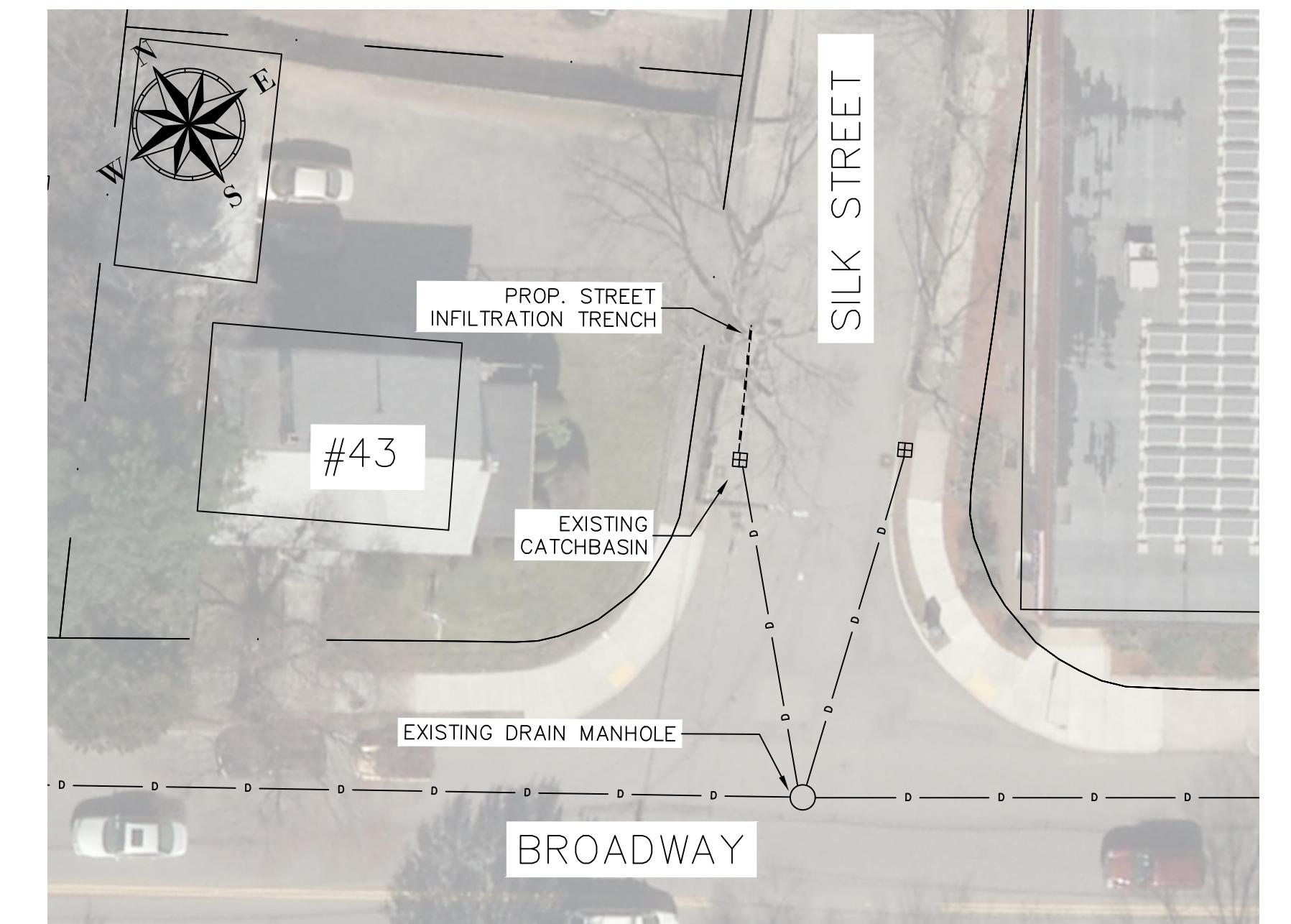
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	26 RIVER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	2.83	
DEPTH TRENCH PIPE INV. (FT)	3.08	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #8 - 37 BROADWAY**

SCALE: N.T.S.

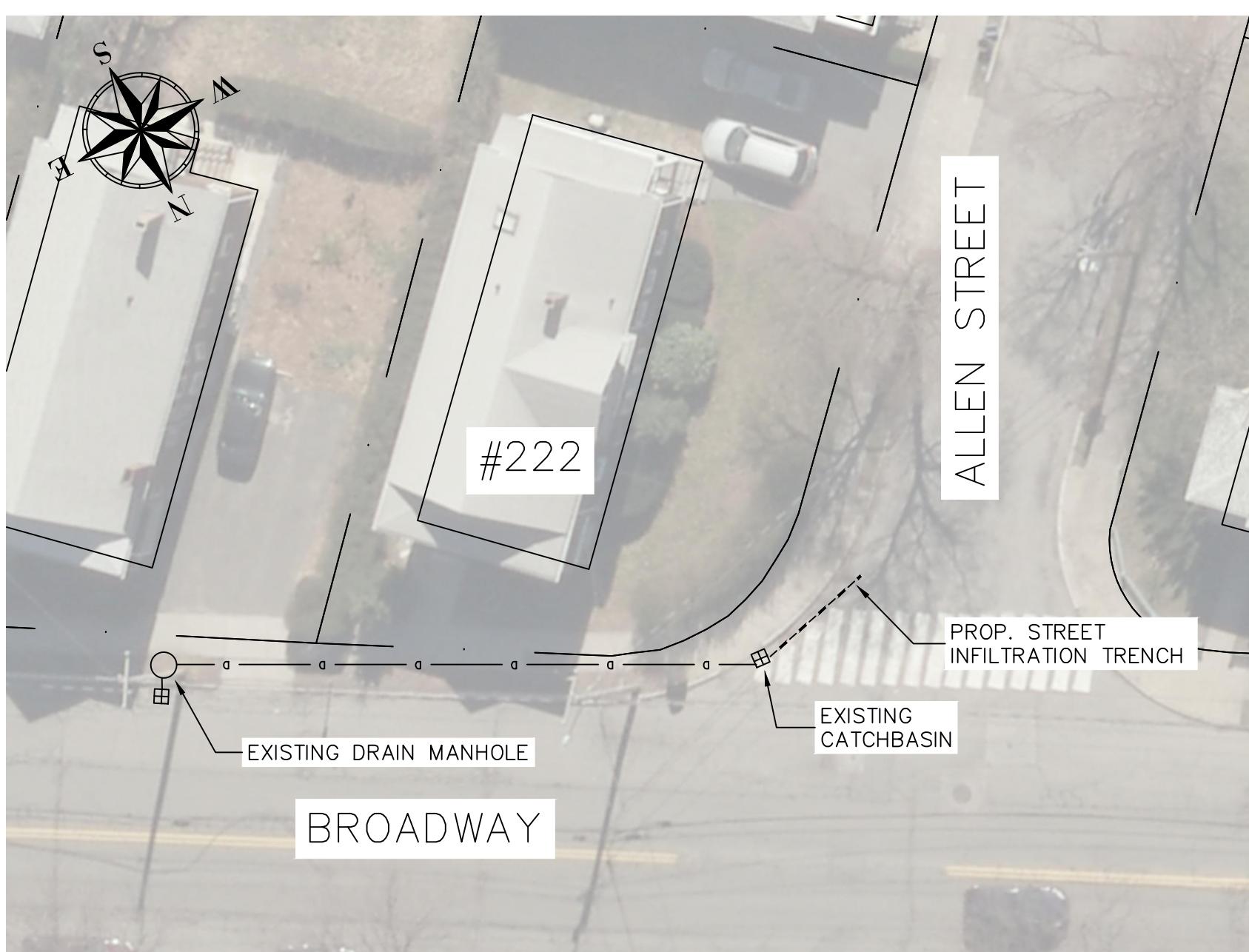
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	37 BROADWAY	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #9 - 43 BROADWAY**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	43 BROADWAY	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #10 - 222 BROADWAY**

SCALE: N.T.S.

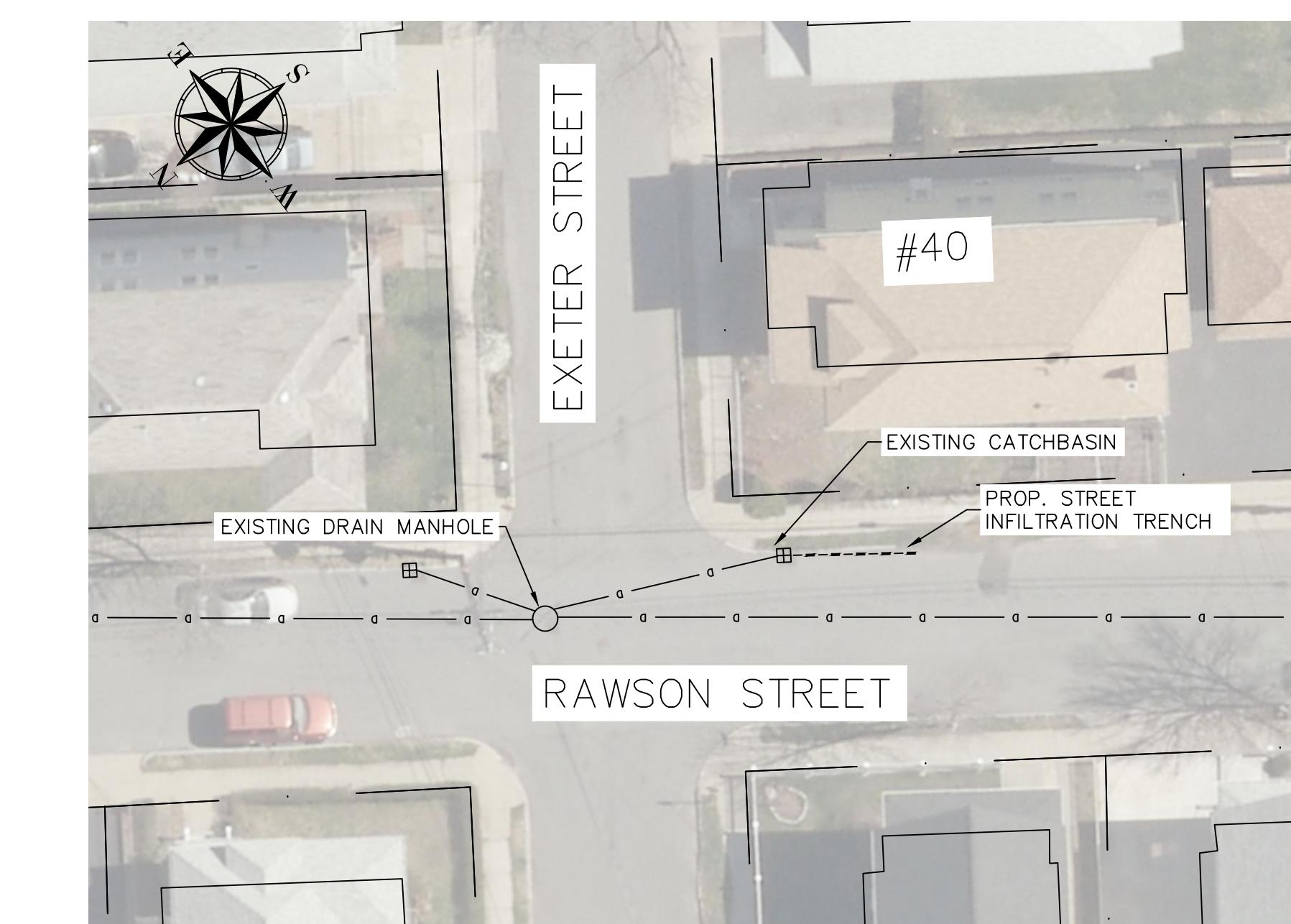
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	222 BROADWAY	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	1.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.00	
DEPTH TRENCH PIPE INV. (FT)	2.25	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #11 - 39 EXETER STREET**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	39 EXETER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #12 - 40 EXETER STREET**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	40 EXETER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	

**NOTES**

1. PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A FORMAL SURVEY OF THE PROJECT AREAS WAS NOT CONDUCTED. UTILITY LOCATIONS AND INVERT MEASUREMENTS ARE APPROXIMATE.

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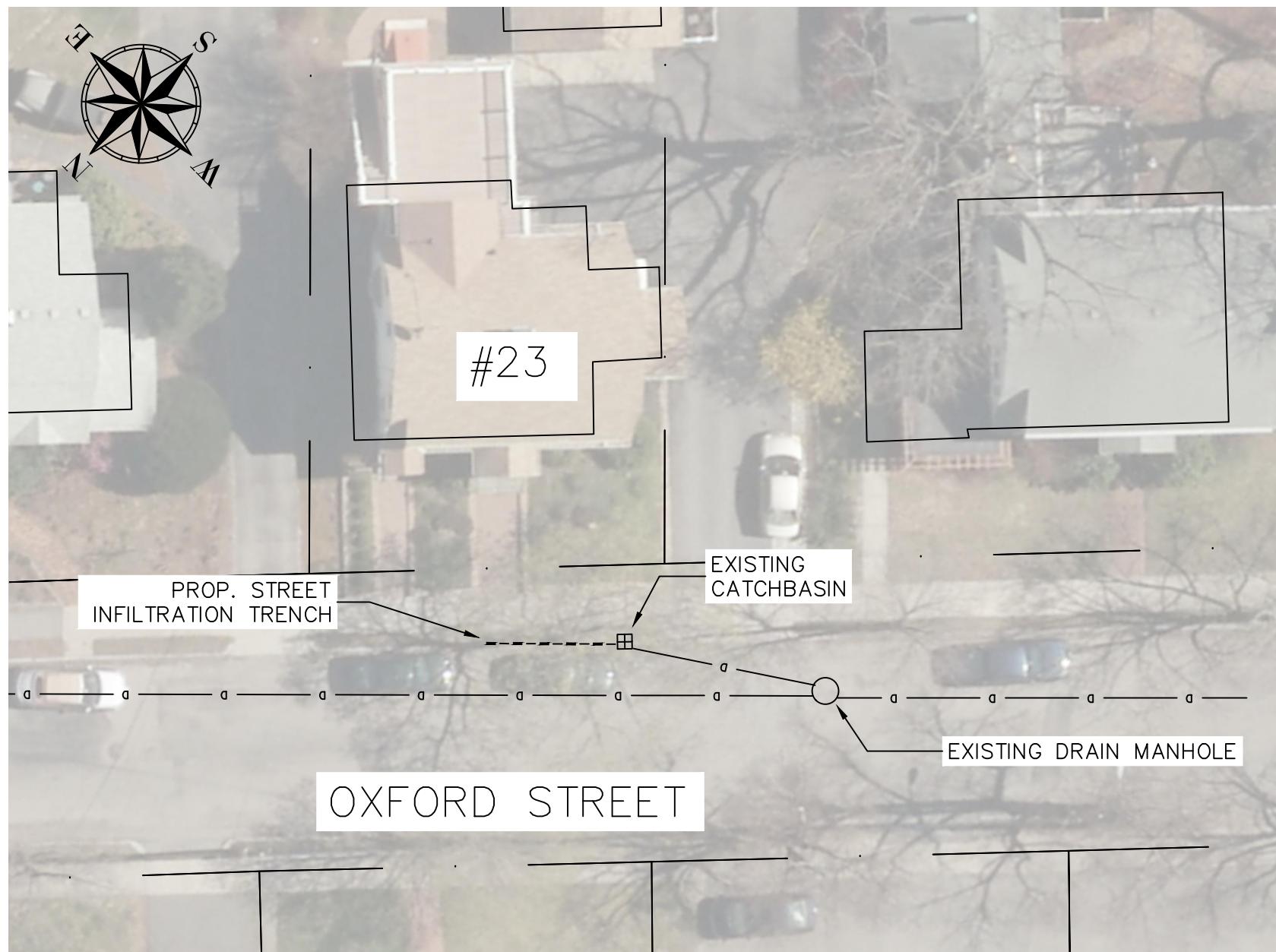
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Town of  
**ARLINGTON**  
Engineering Division  
51 Grove Street  
Arlington, MA 02476

**2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT**

**ARLINGTON TRENCHES #7 - #12**

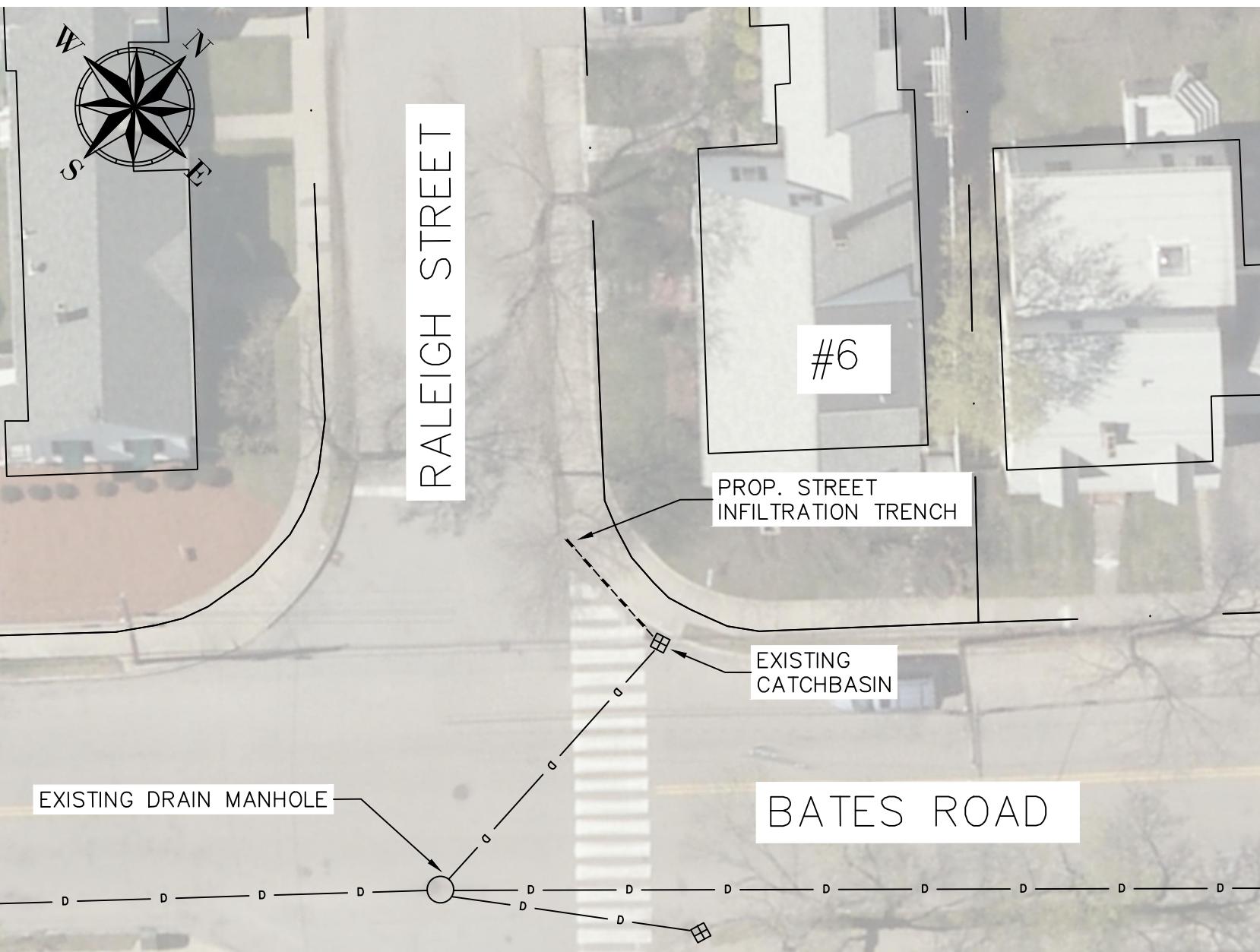
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Verified By:	WCC	
Scale:	NTS	
Date:	FEBRUARY 2021	



**LOCATION #13 -23 OXFORD STREET**

SCALE: N.T.S.

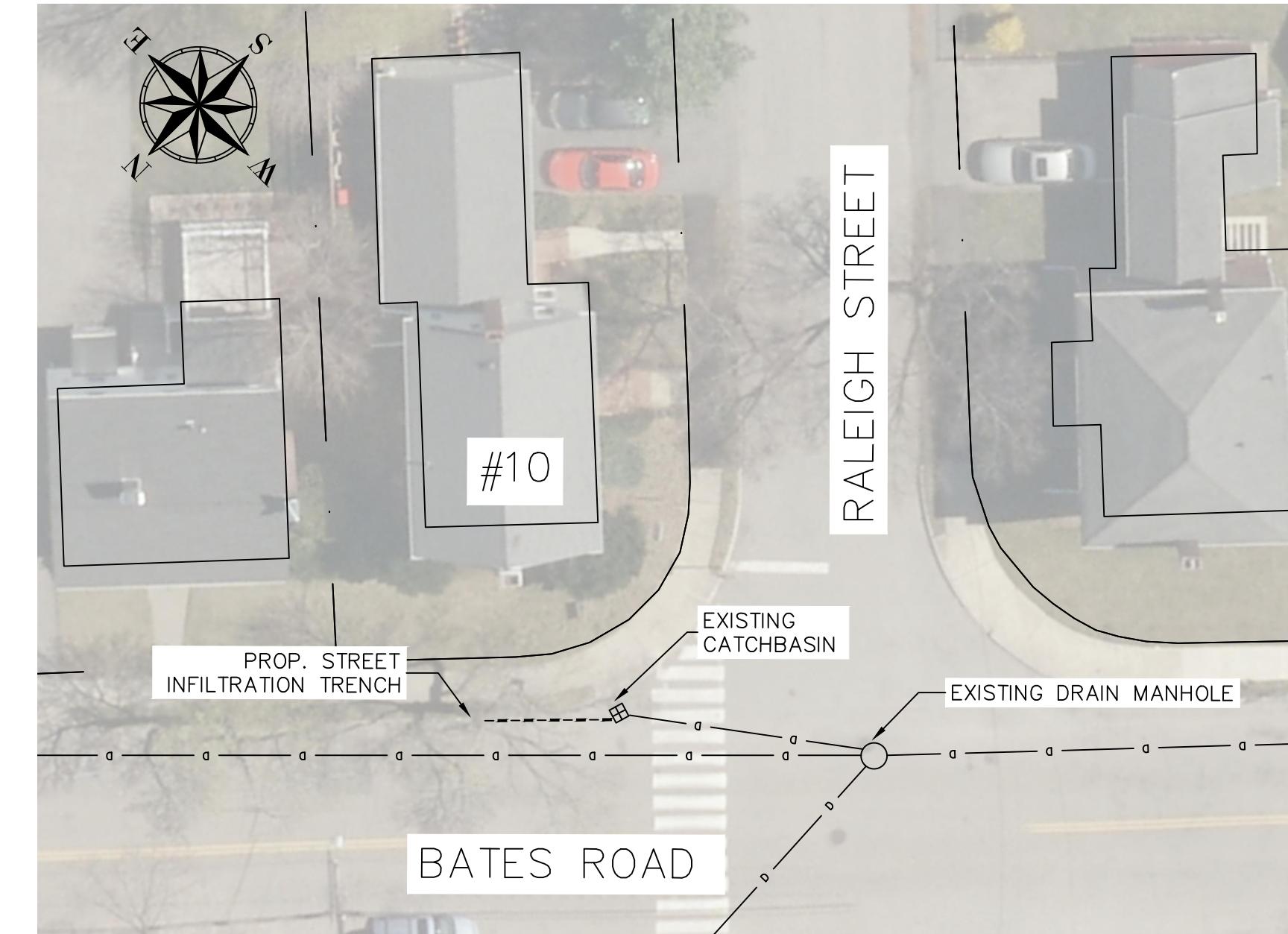
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	16.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	2.33	
DEPTH TRENCH PIPE INV. (FT)	2.58	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #14 -6 RALEIGH STREET**

SCALE: N.T.S.

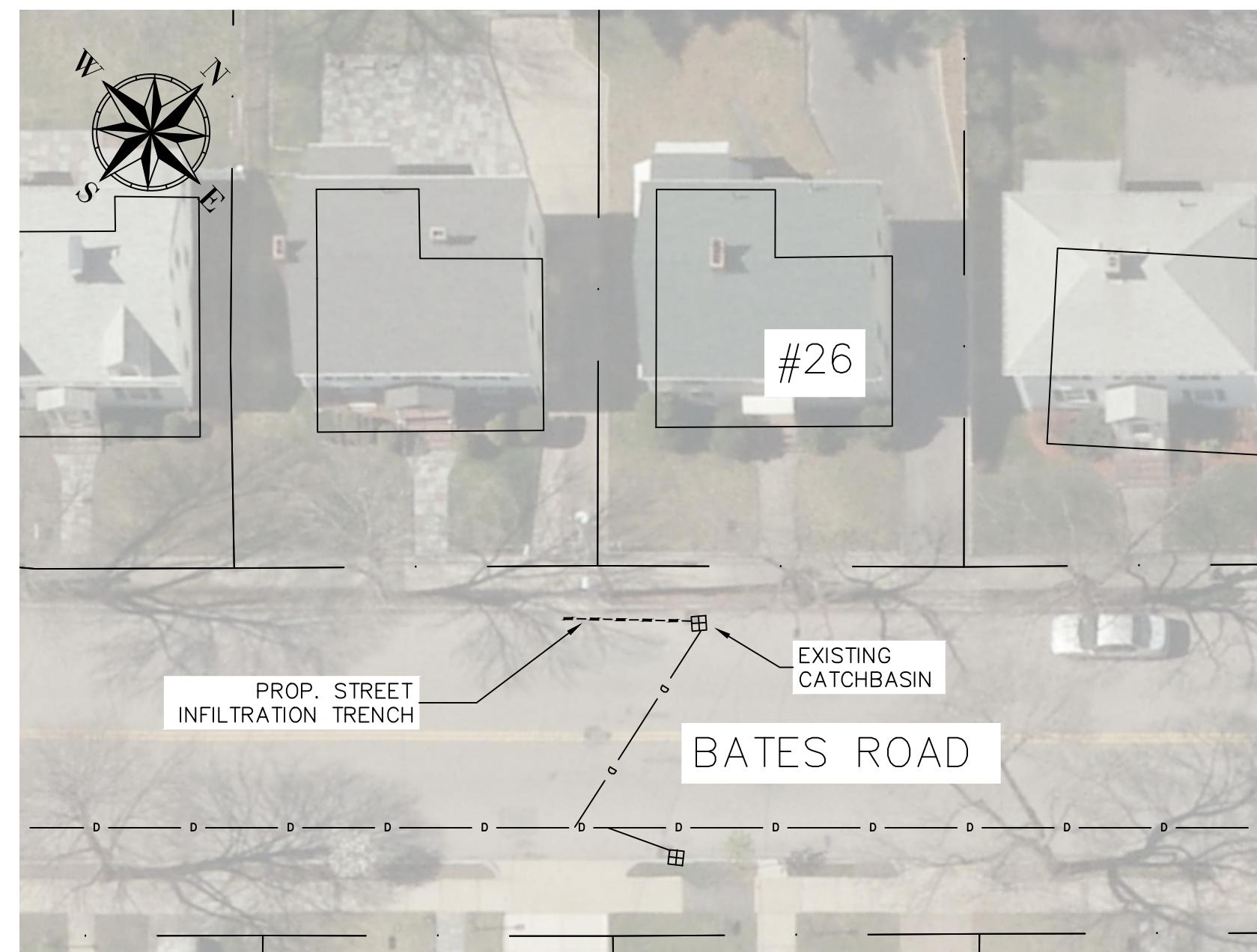
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	15.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.08	
DEPTH TRENCH PIPE INV. (FT)	2.33	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #15 -10 RALEIGH STREET**

SCALE: N.T.S.

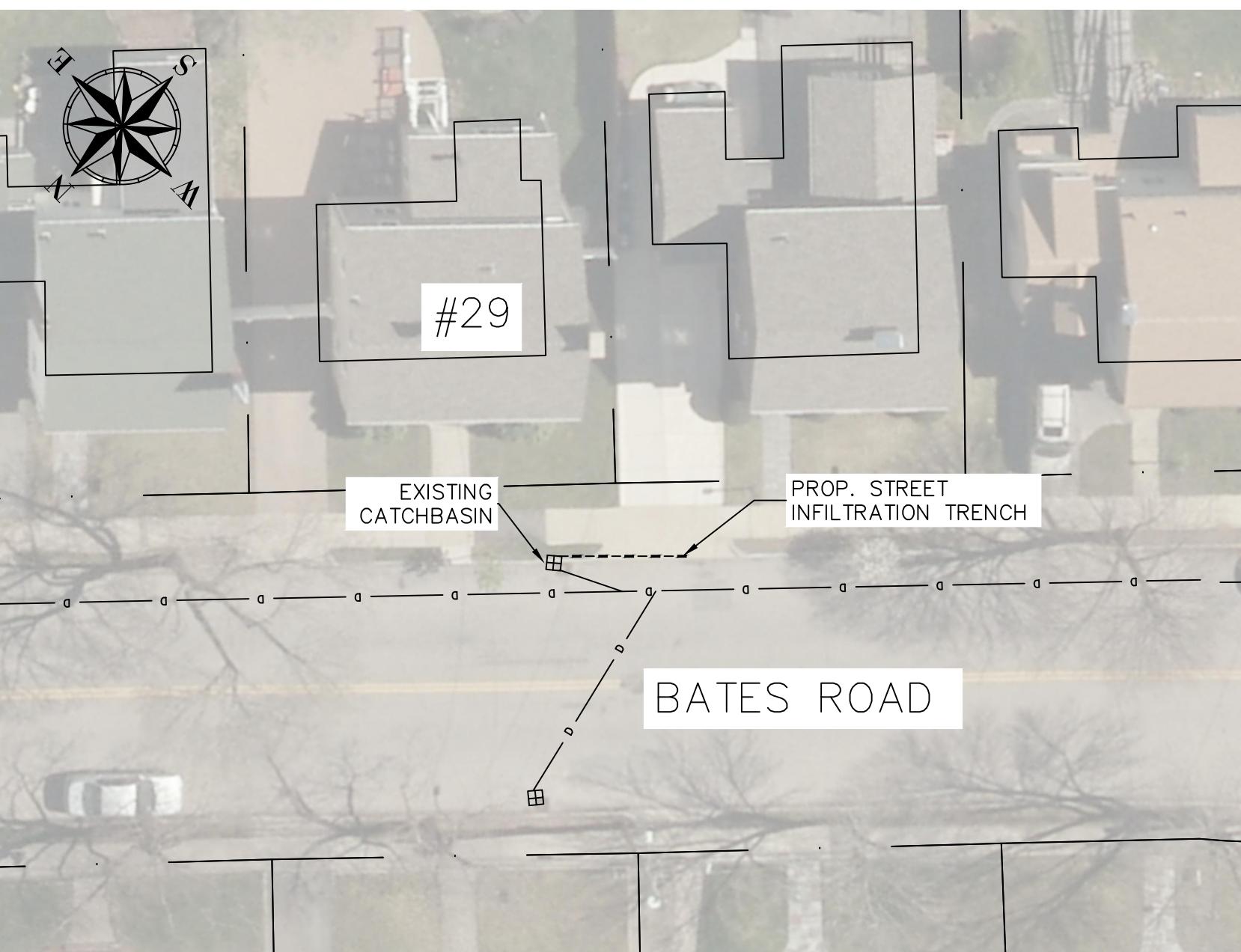
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #16 -26 BATES ROAD**

SCALE: N.T.S.

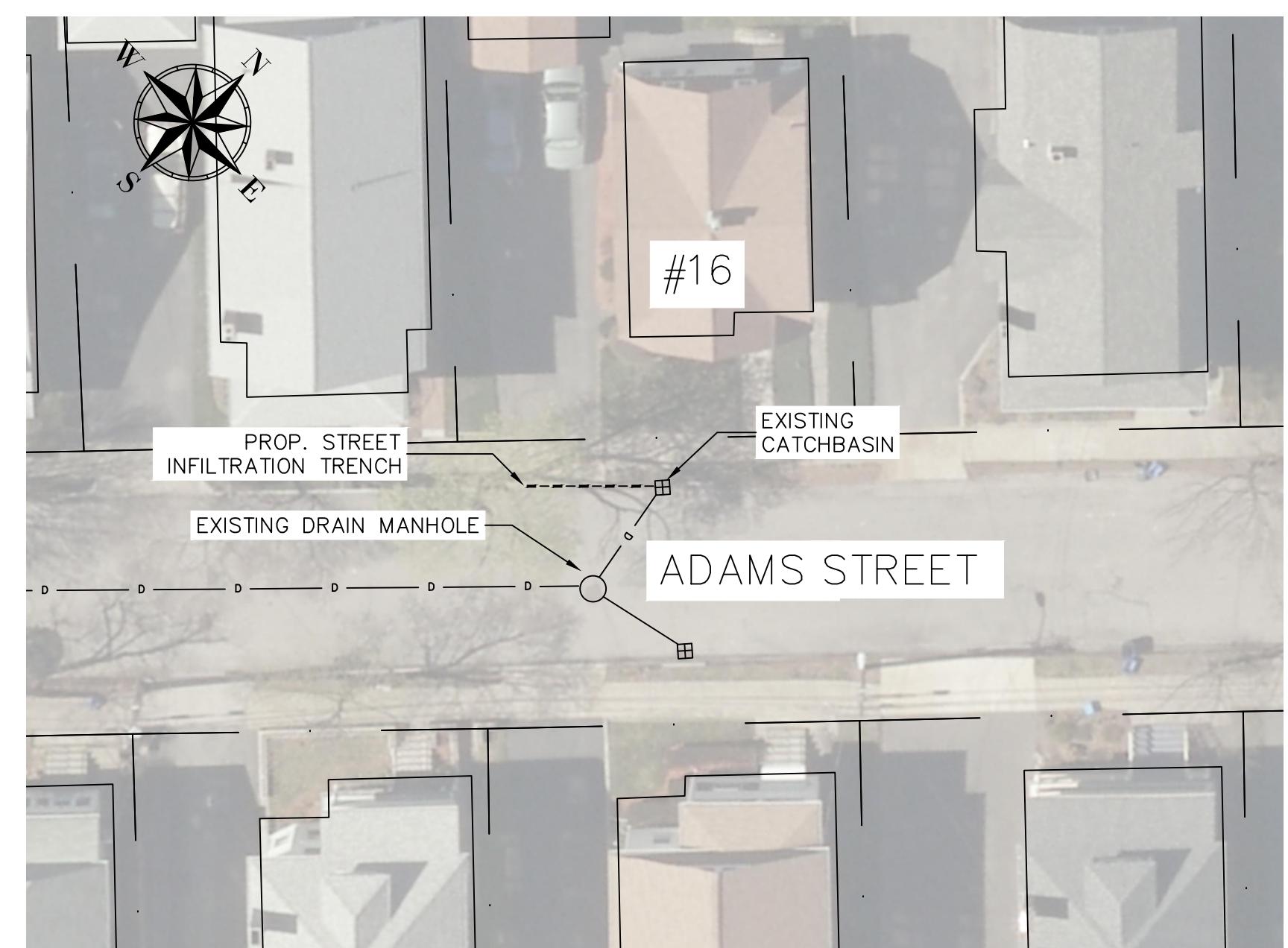
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.50	
DEPTH TRENCH PIPE INV. (FT)	2.75	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #17 -29 BATES ROAD**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	15.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.08	
DEPTH TRENCH PIPE INV. (FT)	2.33	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #18 - 16 ADAMS STREET**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	DESIGN	AS-BUILT
TRENCH DESIGN		
LENGTH (FT)	16.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.33	
DEPTH TRENCH PIPE INV. (FT)	2.58	
DEPTH TRENCH BOTTOM (FT)	5.00	

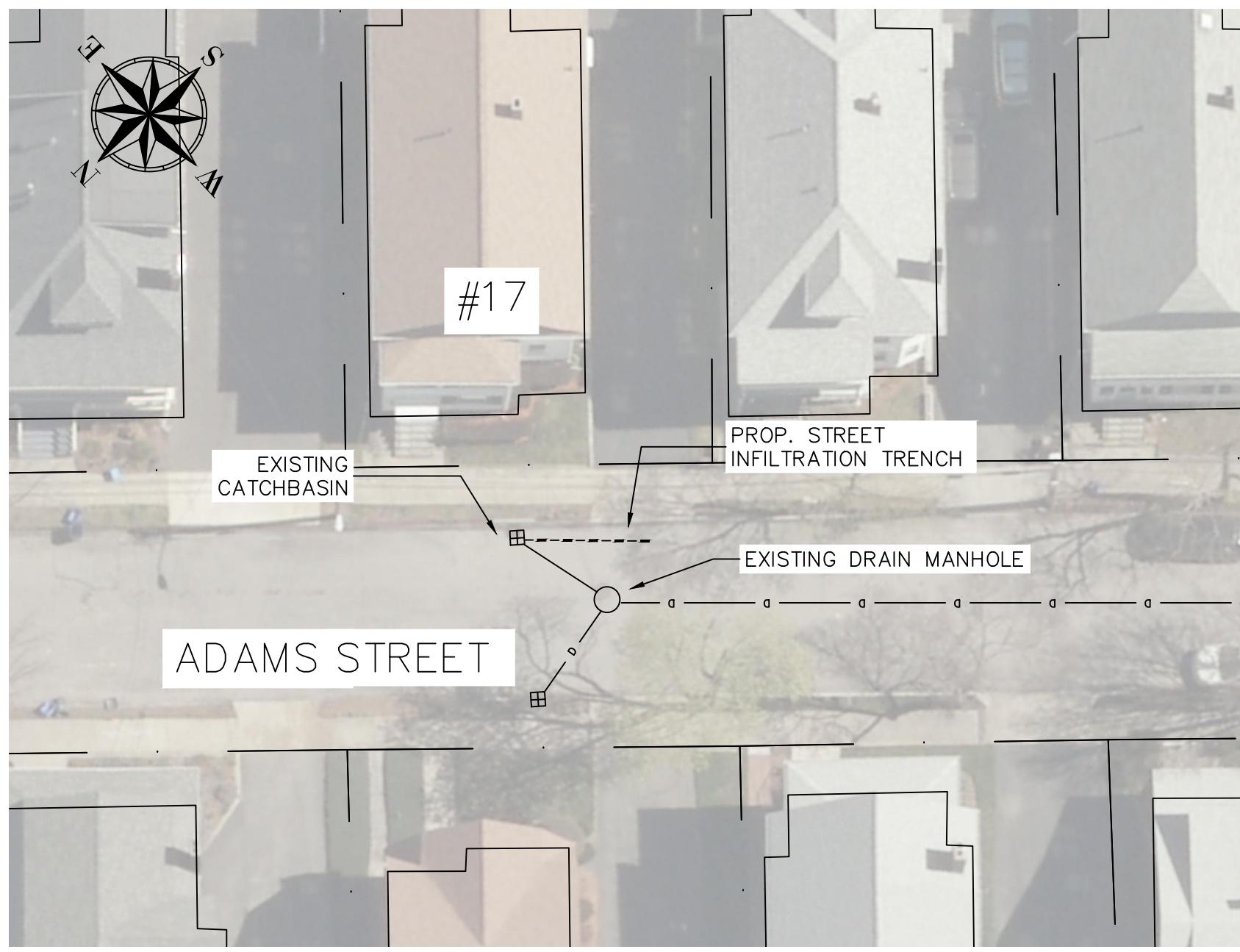
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**2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT**

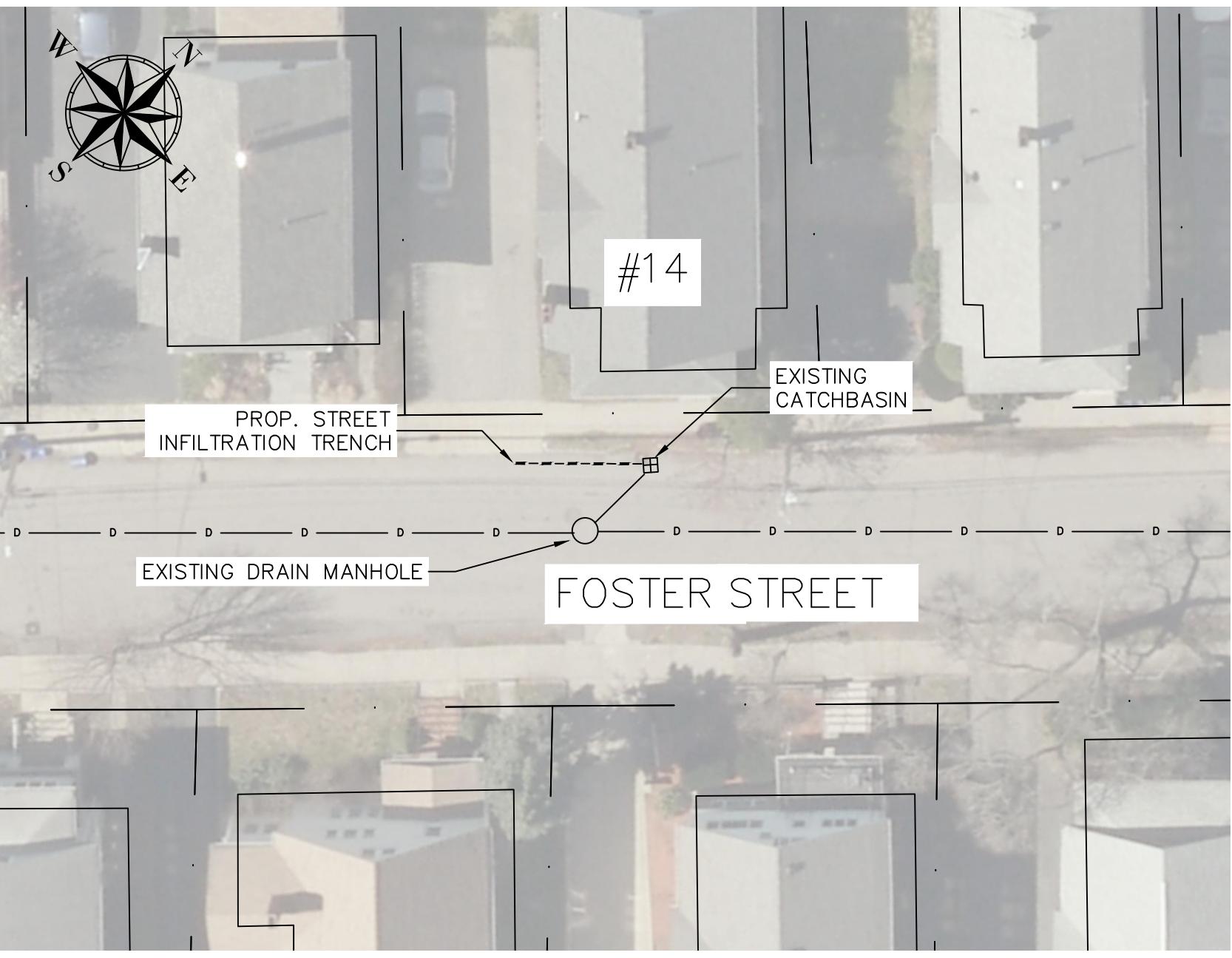
ARLINGTON TRENCHES #13 - #18	Drawn By: AC	Sheet: 5
Verified By: WCC		
Scale: NTS		
Date: FEBRUARY 2021		



**LOCATION #19-17 ADAMS STREET**

SCALE: N.T.S.

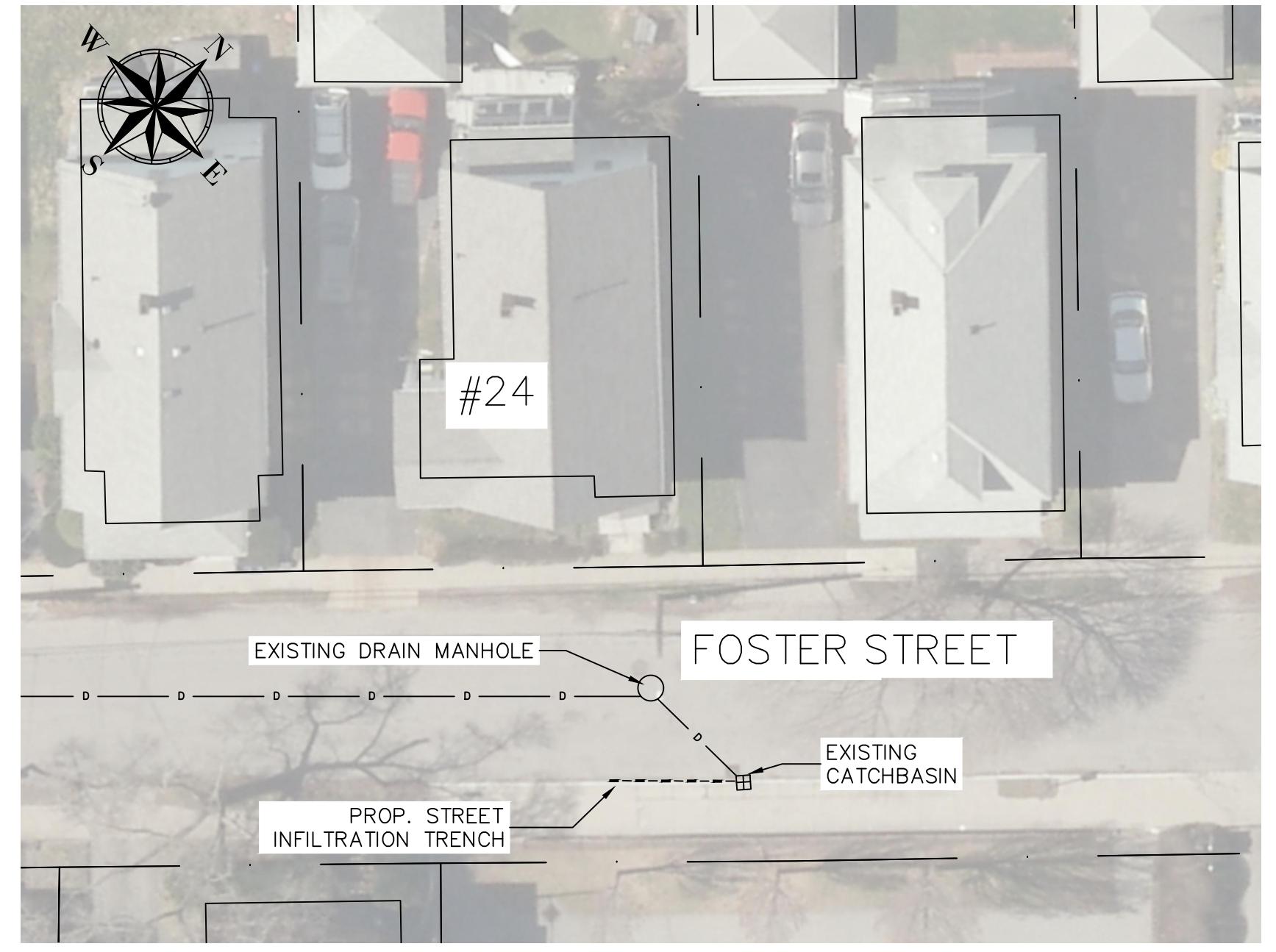
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NEAREST ADDRESS	17 ADAMS STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.25	
DEPTH TRENCH PIPE INV. (FT)	3.50	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #20-14 FOSTER STREET**

SCALE: N.T.S.

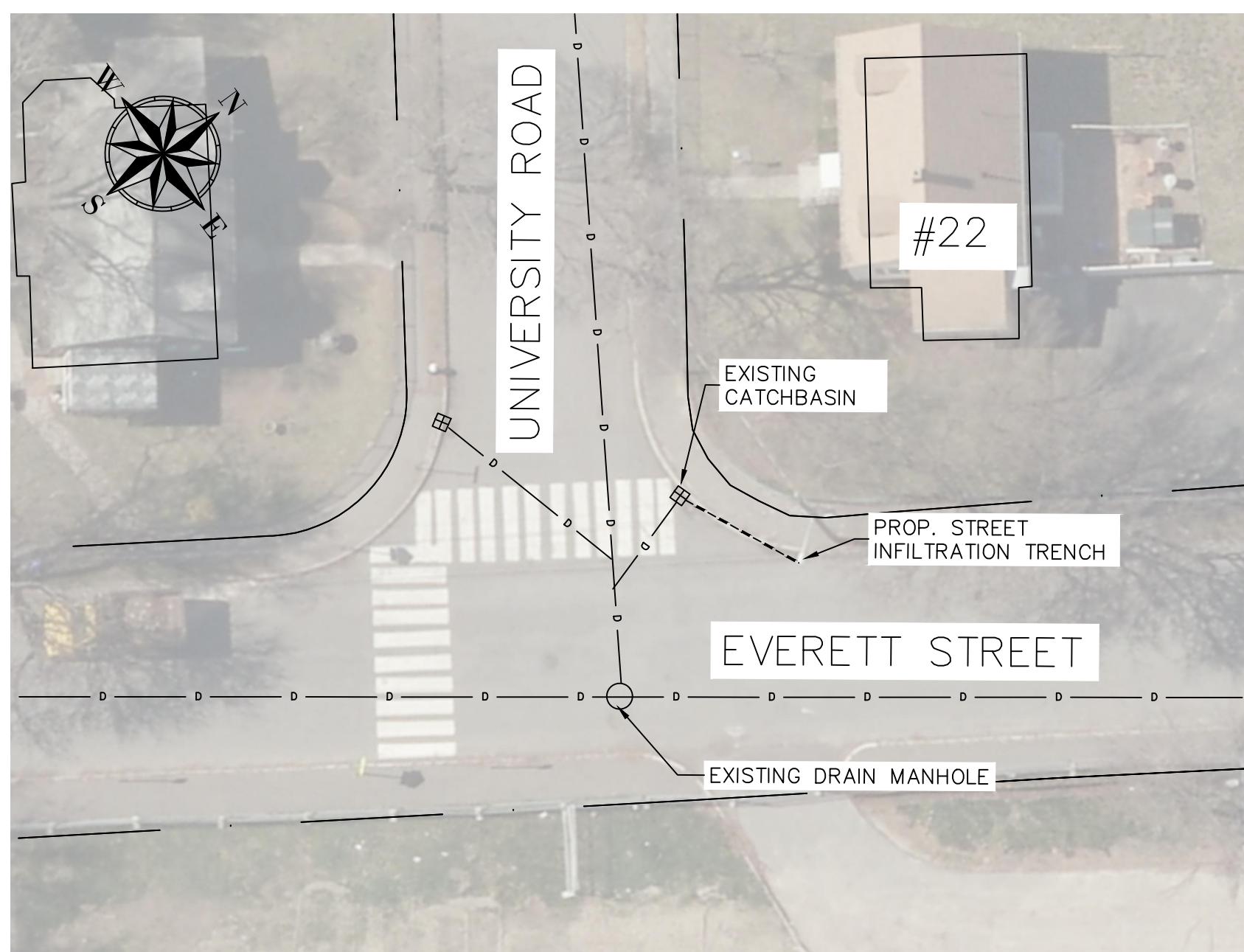
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	14 FOSTER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.75	
DEPTH TRENCH PIPE INV. (FT)	3.00	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #21-24 FOSTER STREET**

SCALE: N.T.S.

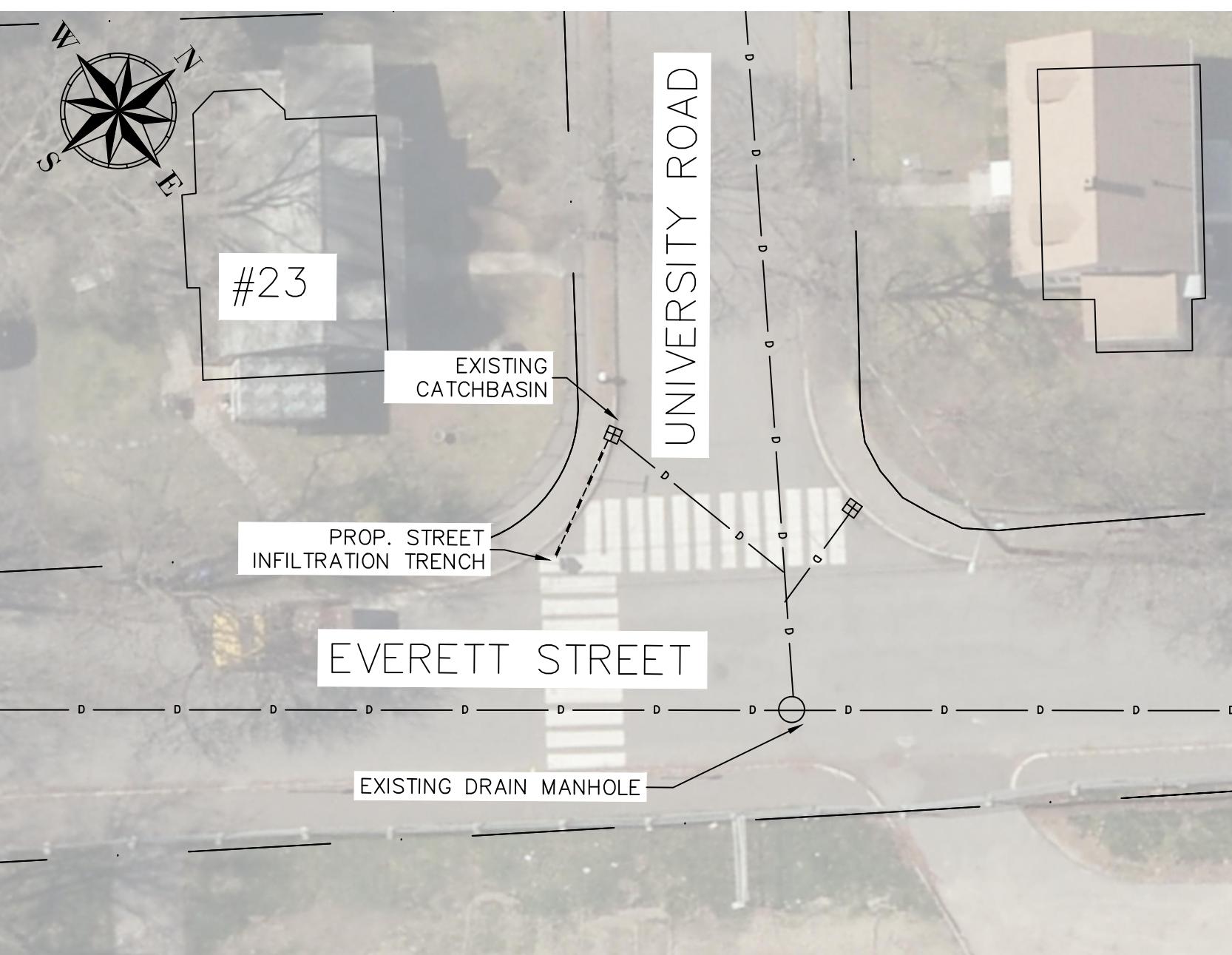
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	24 FOSTER STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	2.83	
DEPTH TRENCH PIPE INV. (FT)	3.08	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #22-22 UNIVERSITY ROAD**

SCALE: N.T.S.

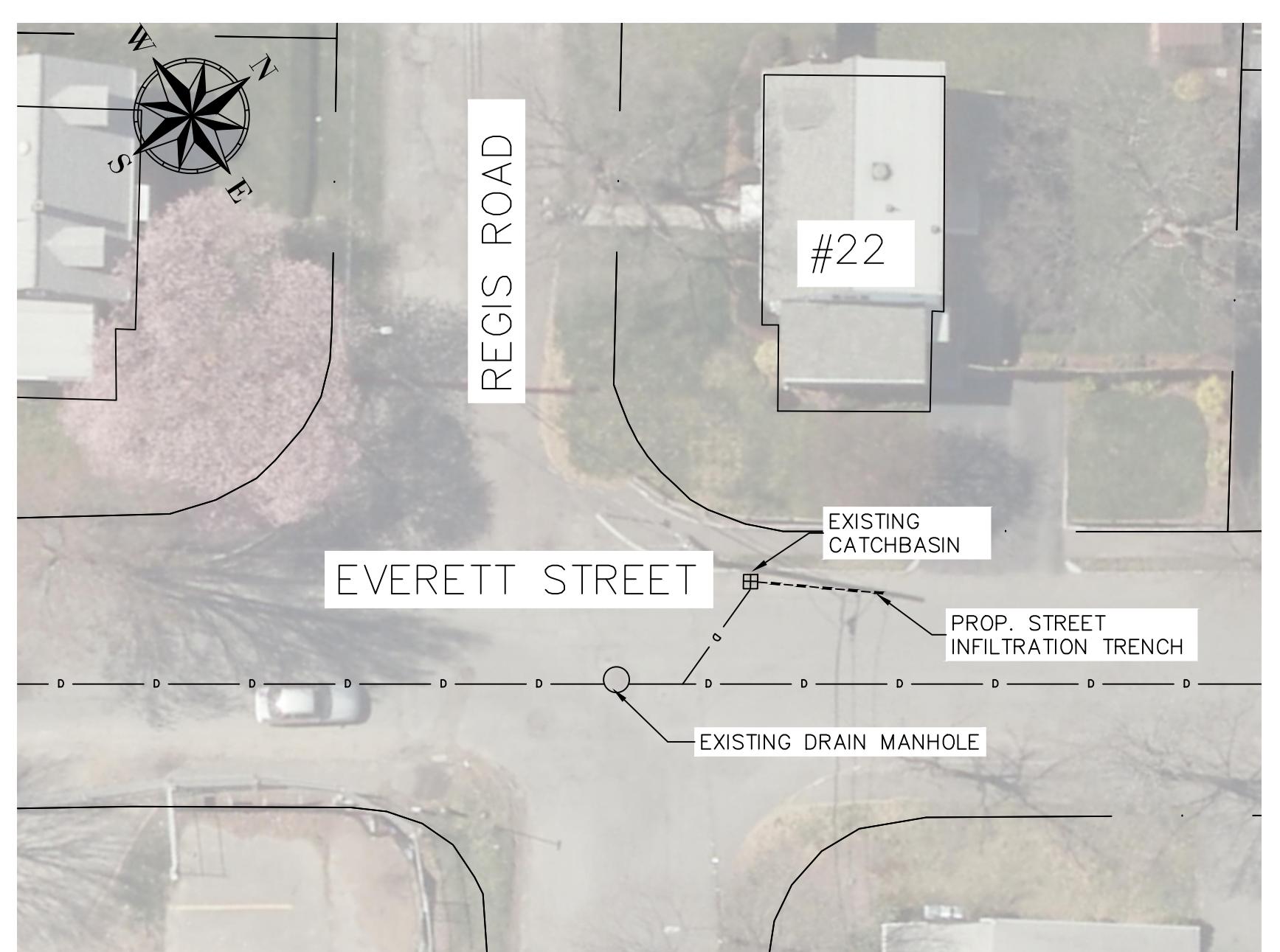
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	22 UNIVERSITY ROAD	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	15.00	
WIDTH (FT)	3.50	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #23-23 UNIVERSITY ROAD**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	23 UNIVERSITY ROAD	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	16.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.75	
DEPTH TRENCH PIPE INV. (FT)	3.00	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #24-22 REGIS ROAD**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	22 REGIS ROAD	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	16.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.16	
DEPTH TRENCH PIPE INV. (FT)	3.41	
DEPTH TRENCH BOTTOM (FT)	5.50	

**NOTES**

1. PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A FORMAL SURVEY OF THE PROJECT AREAS WAS NOT CONDUCTED. UTILITY LOCATIONS AND INVERT MEASUREMENTS ARE APPROXIMATE.

2. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG-SAFE AND ALL APPLICABLE UTILITIES OF THE PROPOSED WORK PRIOR TO ANY EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIG-SAFE AND MUST BE NOTIFIED DIRECTLY AT LEAST 72 HOURS PRIOR TO EXCAVATION BY CALLING 781-316-3310.

3. TRENCHES HAVE BEEN PROPOSED IN LOCATIONS WHERE NO UTILITY CONFLICTS WERE APPARENT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPLICABLE UTILITIES FOR APPROPRIATE MARK-OUTS AND CONFIRMING NO CONFLICTS ARE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER SHOULD ANY EXISTING UTILITY CONFLICTS BE IDENTIFIED WITHIN PROPOSED TRENCH LIMITS.

4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING RESIDENTS AND ABUTTERS OF ANY WORK THAT MAY INTERFERE WITH DRIVEWAY AND WALKWAY ACCESS.

5. A RELATIVE LOCAL DATUM HAS BEEN SET FOR EACH TRENCH LOCATION. THE CATCHBASIN RIM ELEVATION HAS BEEN SET TO ZERO FEET (0.0') AT EACH LOCATION.

6. EXISTING ASPHALT SHOULD BE SAWCUT PRIOR TO EXCAVATION.

7. TRENCHES SHOULD BE BACKFILLED AND COMPACTED IN 12 INCH LIFTS.

8. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE CONSTRUCTION SIGNAGE AND BARRIERS AS NEEDED AND SHALL BE INCIDENTAL TO THE CONTRACT.

9. CONTRACTOR TO MAINTAIN CLEAN WORK ZONE AND SWEEP WORK SITE DAILY.

10. PAVING TO BE COMPLETED WEEKLY.

11. EROSION CONTROL SHALL BE USED WHEN NECESSARY AND CONSIDERED INCIDENTAL TO THE CONTRACT. ANY SEDIMENT THAT ENTERS THE TOWN'S STORMWATER SYSTEM AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR.

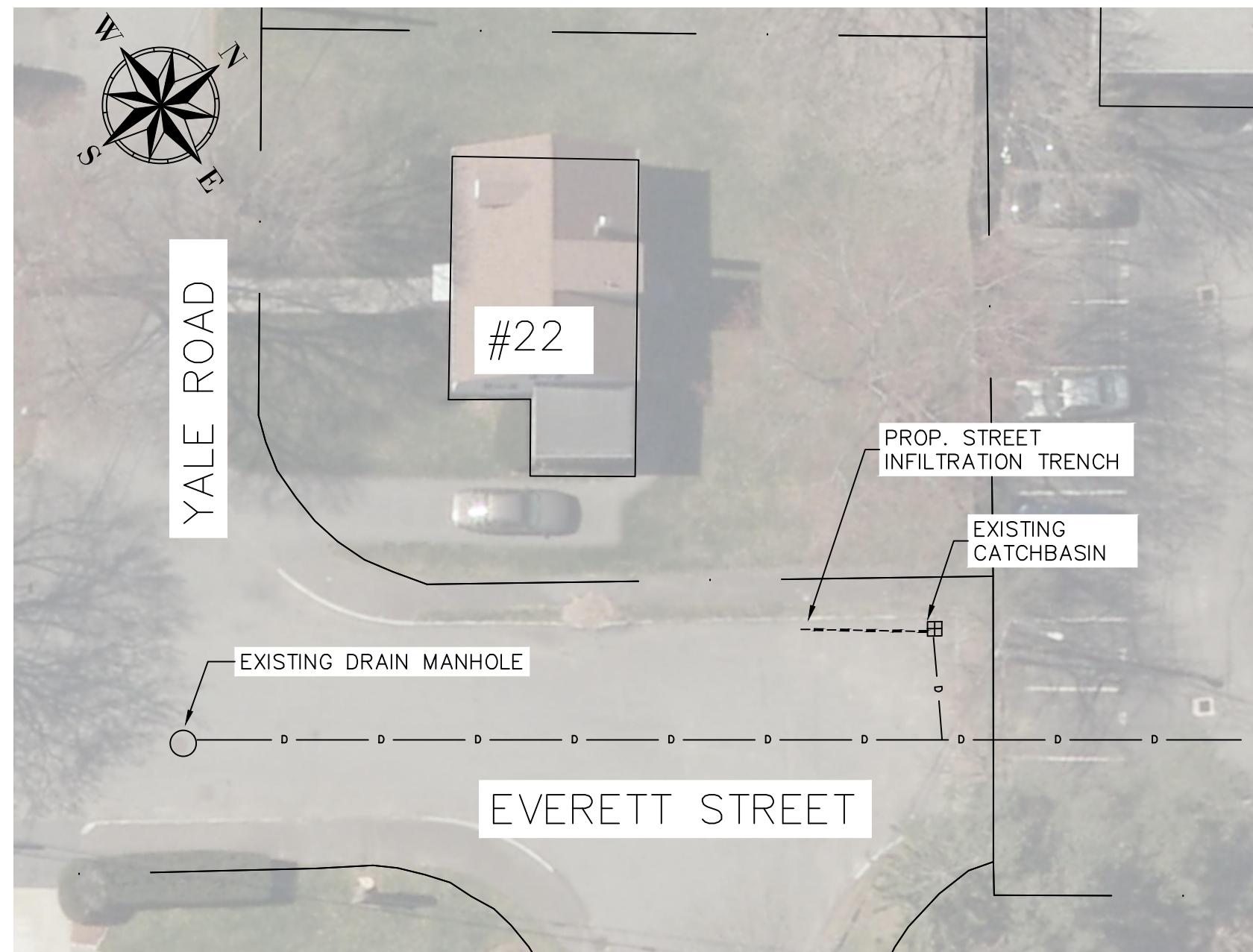
12. CONTRACTOR SHOULD TAKE CARE TO NOT IMPACT NEARBY TREES DURING CONSTRUCTION.

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Town of  
**ARLINGTON**  
Engineering Division  
51 Grove Street  
Arlington, MA 02476

**2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT**  
**ARLINGTON TRENCHES # 19 - #24**

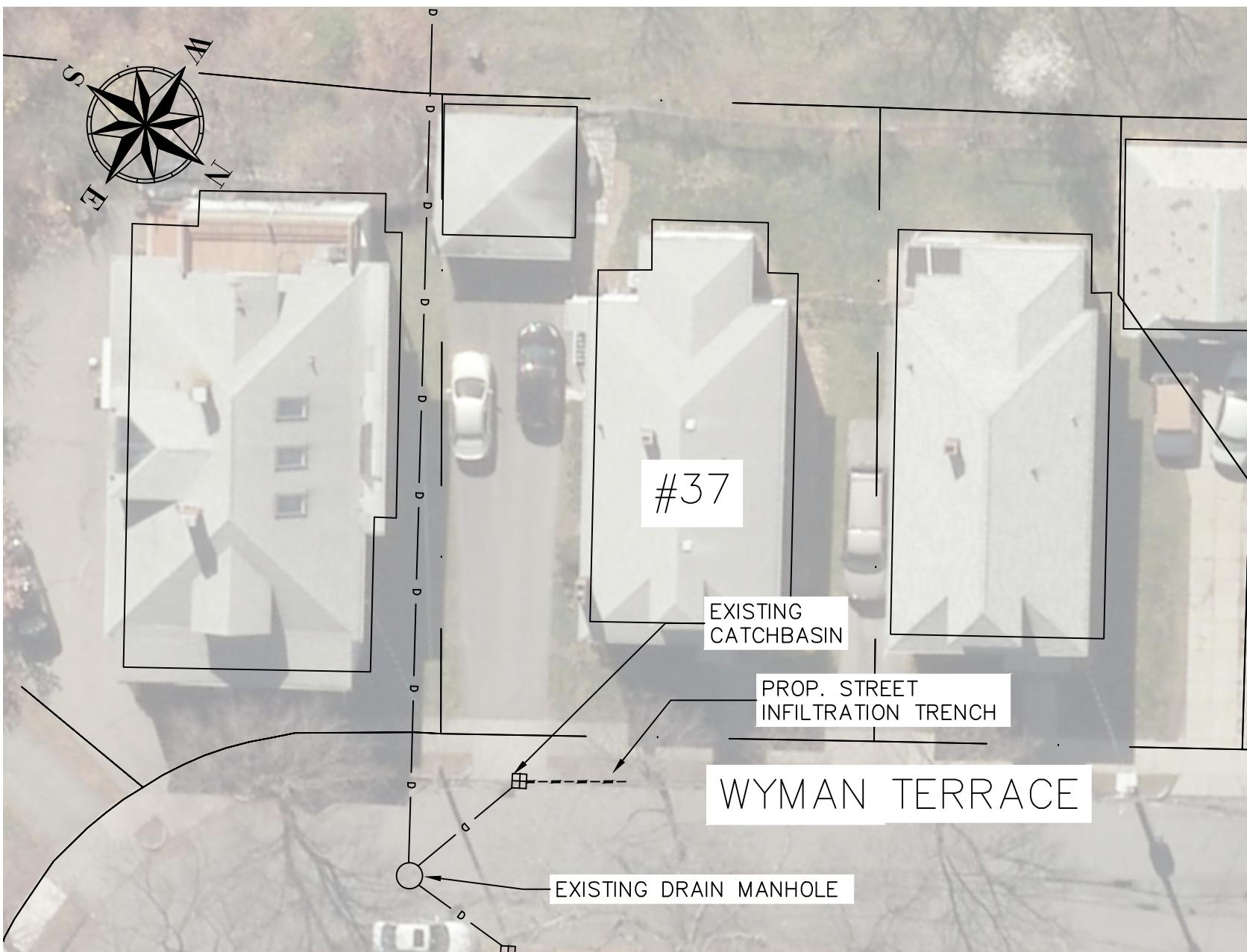
Drawn By: AC Sheet:  
Verified By: WCC  
Scale: NTS  
Date: FEBRUARY 2021  
**6**



**LOCATION #25 - 22 YALE ROAD**

SCALE: N.T.S.

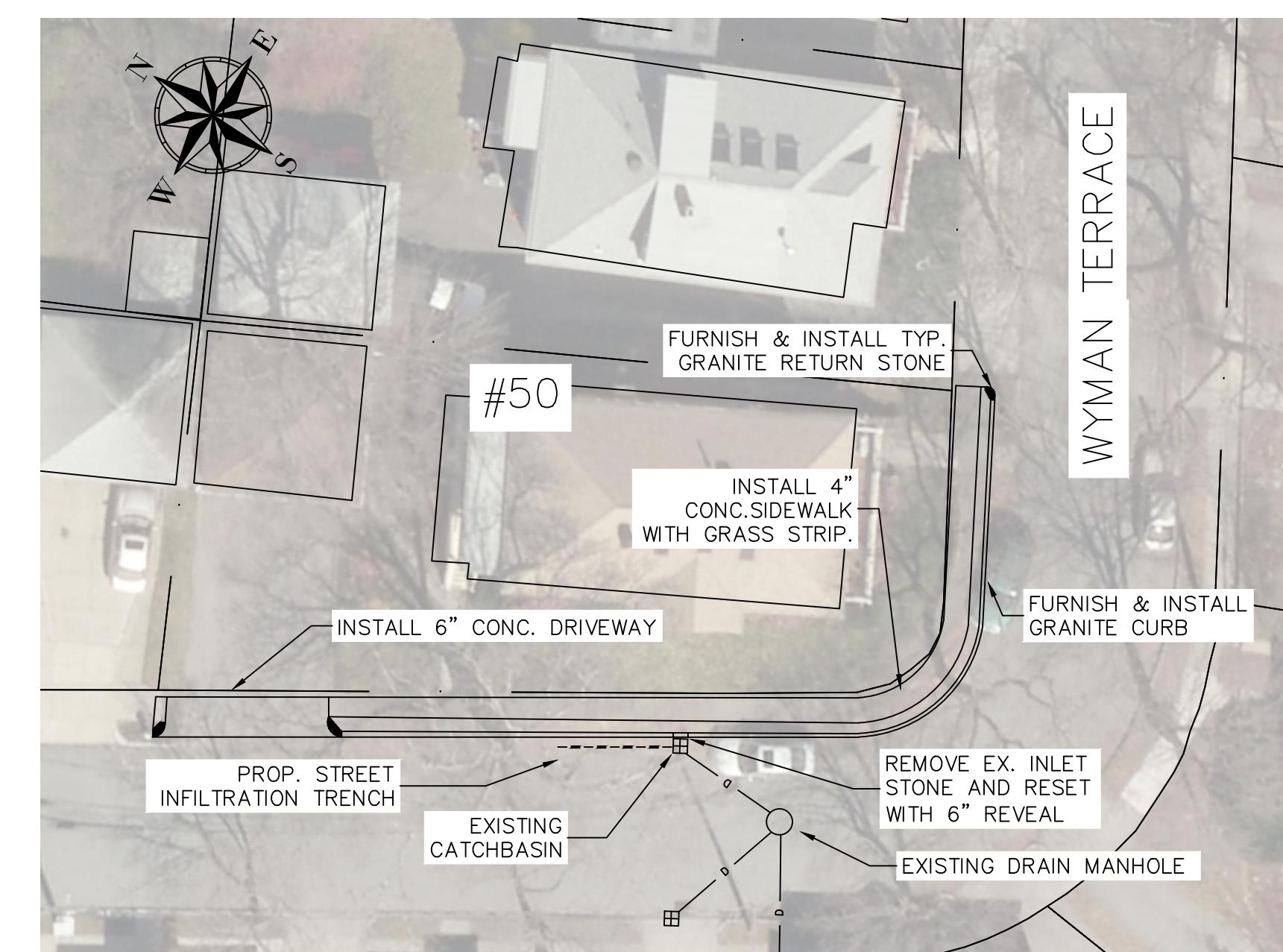
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	22 YALE ROAD	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.58	
DEPTH TRENCH PIPE INV. (FT)	2.83	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #26 - 37 WYMAN TERRACE**

SCALE: N.T.S.

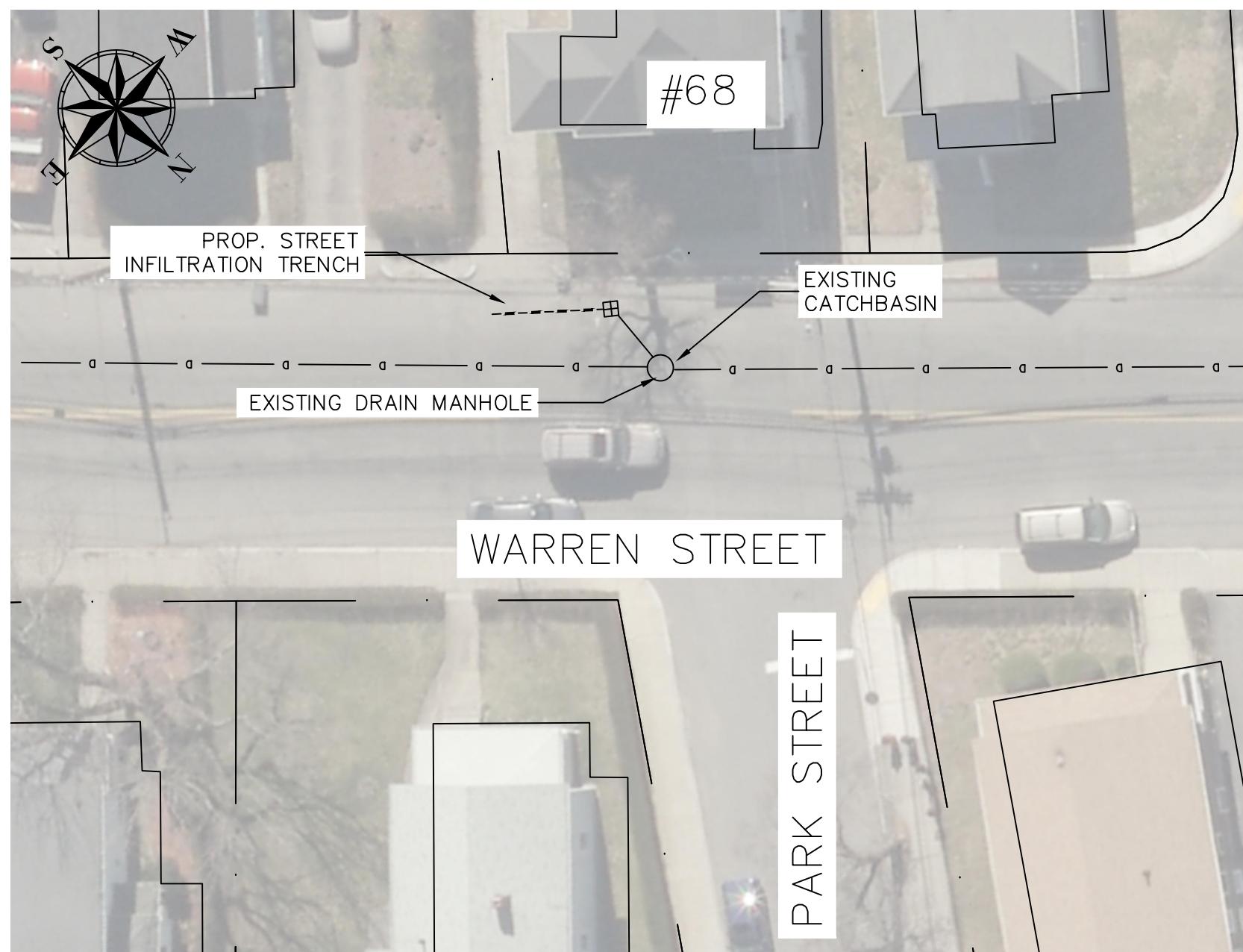
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	37 WYMAN TERRACE	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	14.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.58	
DEPTH TRENCH PIPE INV. (FT)	2.83	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #27 - 50 WYMAN TERRACE**

SCALE: N.T.S.

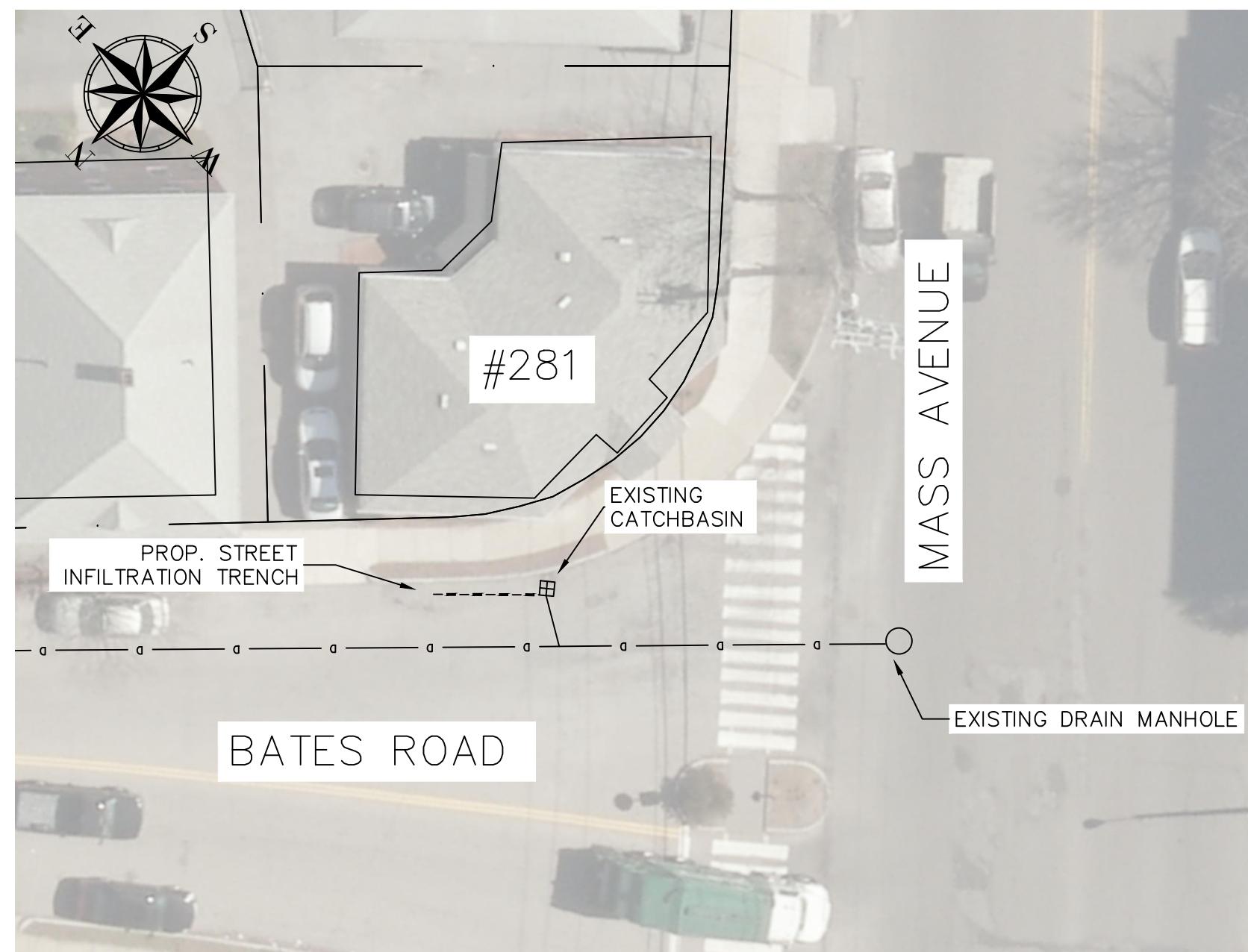
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	50 WYMAN TERRACE	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	16.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.00	
DEPTH EXISTING INV. OUT (FT)	2.25	
DEPTH TRENCH PIPE INV. (FT)	2.50	
DEPTH TRENCH BOTTOM (FT)	5.00	



**LOCATION #28 - 68 WARREN STREET**

SCALE: N.T.S.

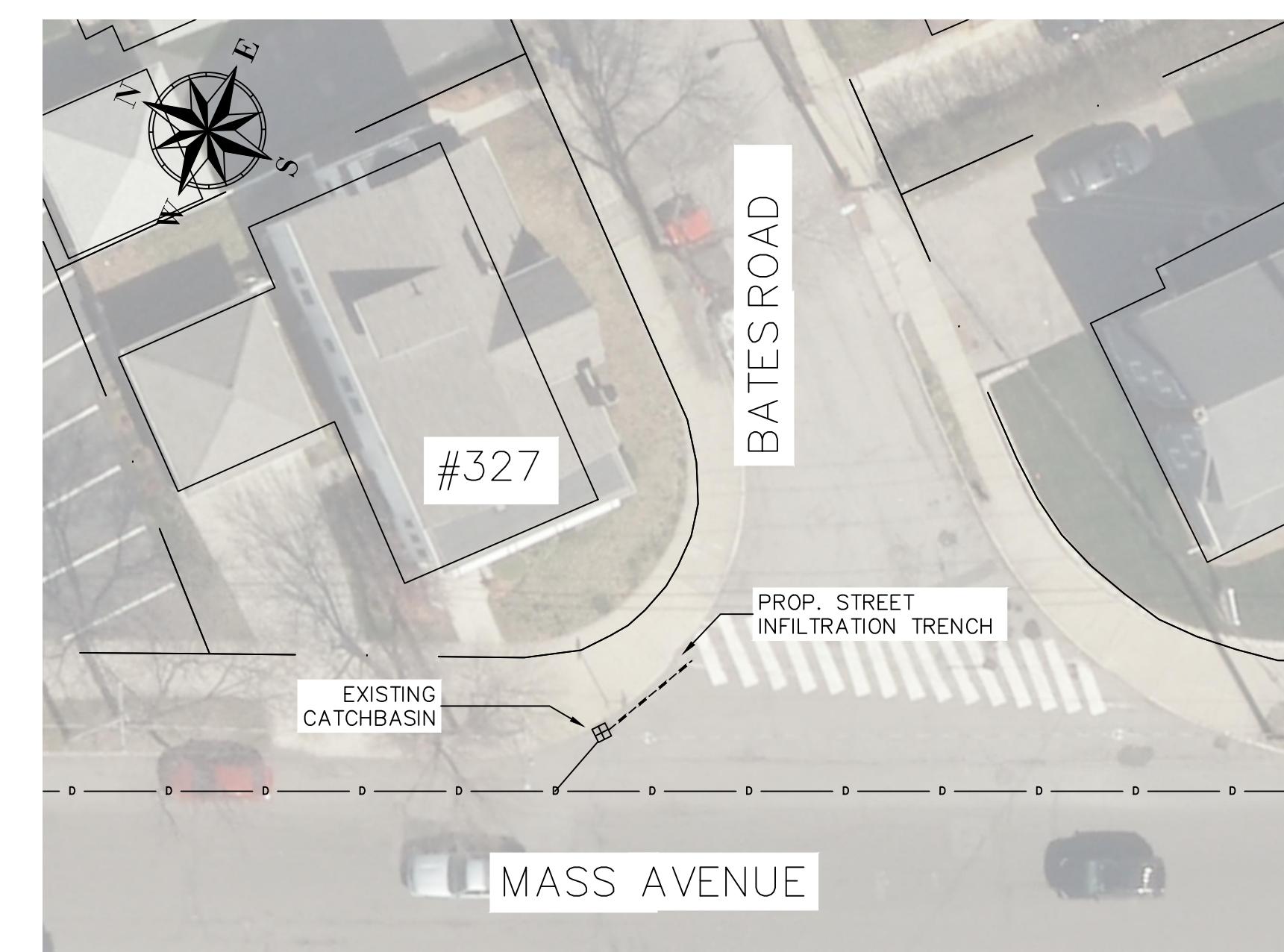
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	68 WARREN STREET	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	15.00	
WIDTH (FT)	3	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #29 - 281 MASS AVENUE**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	281 MASSACHUSETTS AVENUE	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	15.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	2.83	
DEPTH TRENCH PIPE INV. (FT)	3.08	
DEPTH TRENCH BOTTOM (FT)	5.50	



**LOCATION #30 - 327 MASS AVENUE**

SCALE: N.T.S.

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	327 MASSACHUSETTS AVENUE	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	15.00	
WIDTH (FT)	3.00	
DEPTH (FT)	5.50	
DEPTH EXISTING INV. OUT (FT)	3.16	
DEPTH TRENCH PIPE INV. (FT)	3.41	
DEPTH TRENCH BOTTOM (FT)	5.50	

**NOTES**

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Town of  
**ARLINGTON**  
Engineering Division  
51 Grove Street  
Arlington, MA 02476

**2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT**

**ARLINGTON TRENCHES #25 - #30**

Drawn By:	AC	Sheet:
Verified By:	WCC	
Scale:	NTS	
Date:	February 2021	

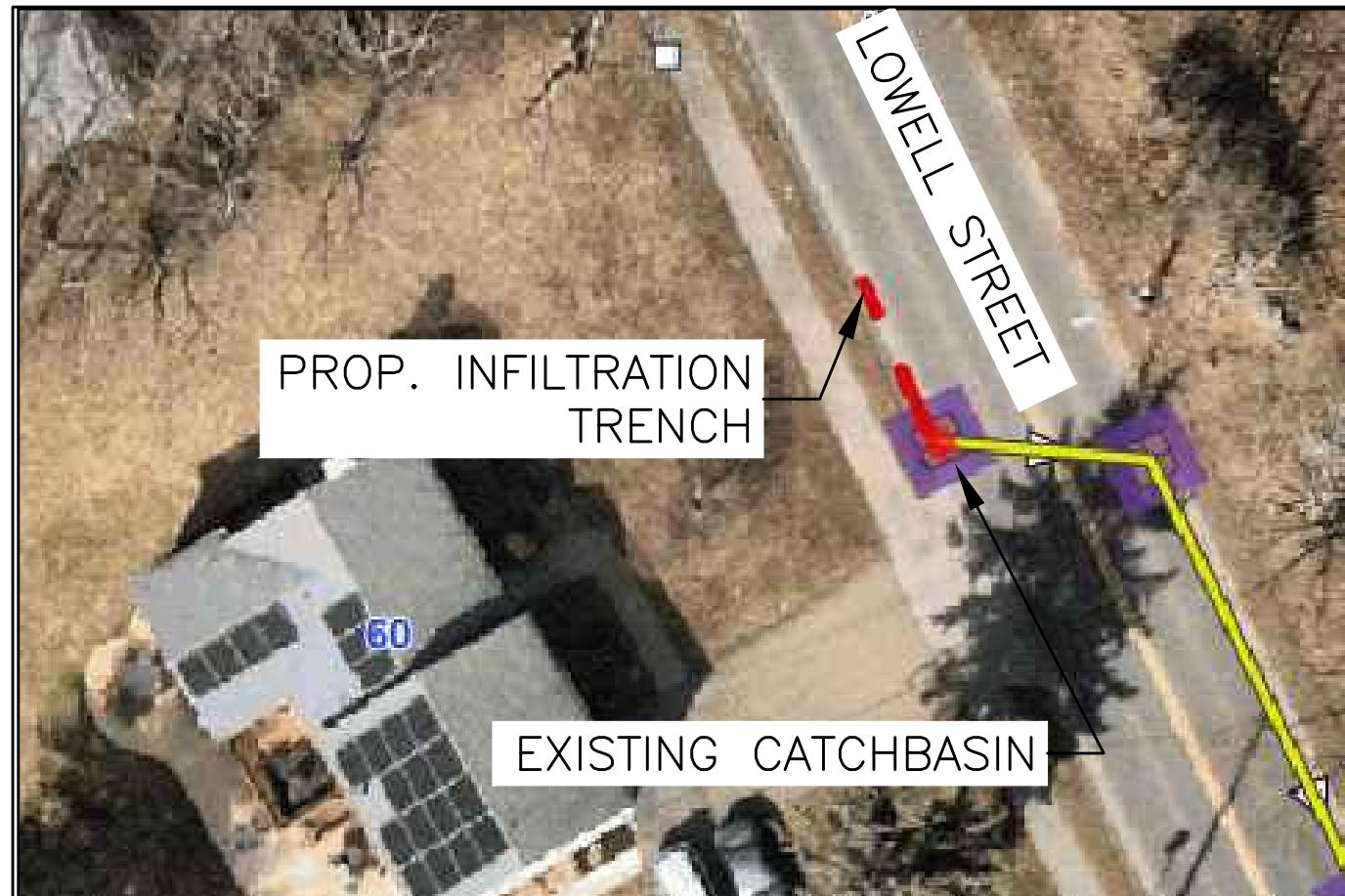
7



# NOTES

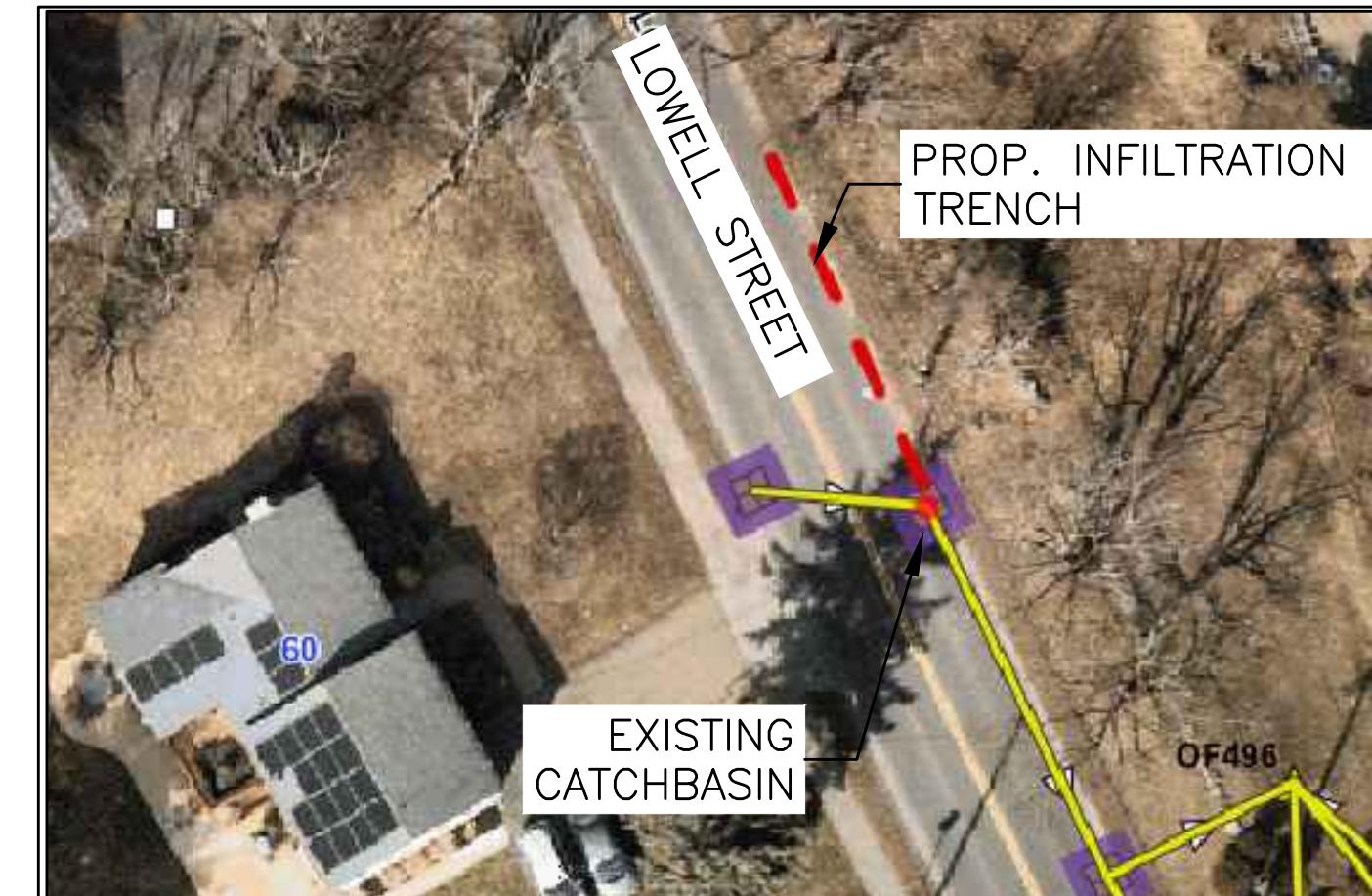
#	LOCATION
1	60 LOWELL ST
2	60 LOWELL ST
3	481 LOWELL ST
4	486 LOWELL ST
5	1 ANTHONY ST
6	2 LITCHFIELD RD
7	2 LITCHFIELD RD
8	4 SOUTH RINDGE AVE
9	7 SOUTH RINDGE AVE
10	18 RINDGE AVE
11	18 RINDGE AVE
12	7 CHERRY ST
13	8 WESTMINSTER AVE
14	6 RUSSELL RD
15	6 FARM RD
16	6 FARM RD
17	7 FARM RD
18	7 FARM RD
19	3 ROGERS RD
20	12 FESSENDEN WAY
21	7 ROLFE RD
22	4 MARSHALL RD
23	8 MARSHALL RD
24	8 MARSHALL RD
25	9 MARSHALL RD

DRAWN BY: ML	DATE: 1/20/21	SCALE: N.T.S.
DESIGNED BY: ML		CHECKED BY: MS
APPROVED BY: _____		SHEET 8



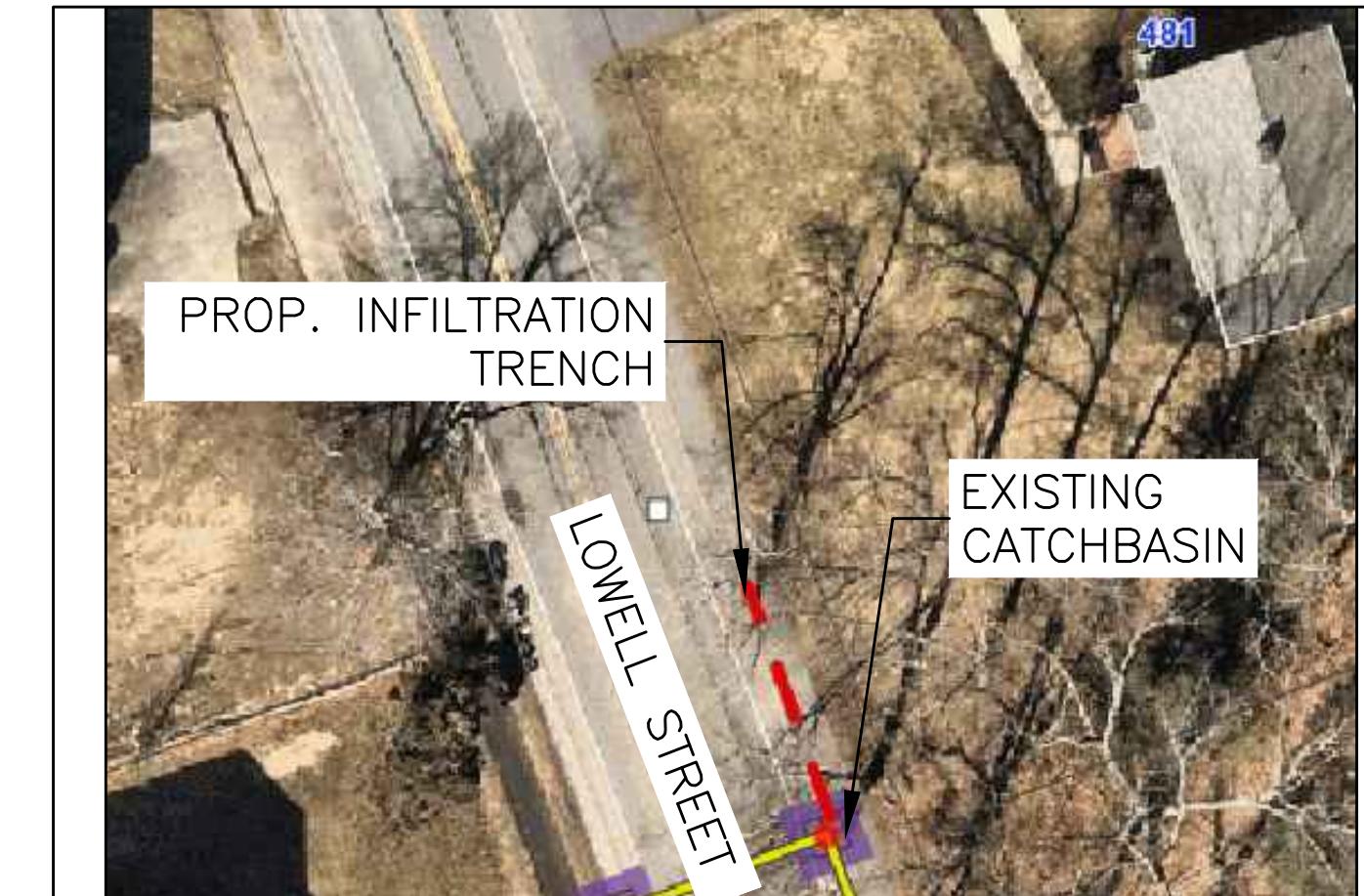
LOCATION #1: 60 LOWELL ST (2174)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	60 LOWELL STREET (IN 2174)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	18.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	2.30	
DEPTH TRENCH PIPE INV. (FT)	2.55	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.39	
N REDUCTION (LB/YR)	2.73	
TSS REDUCTION (LB/YR)	87.38	
SW VOLUME REDUCTION (CF)	69.00	



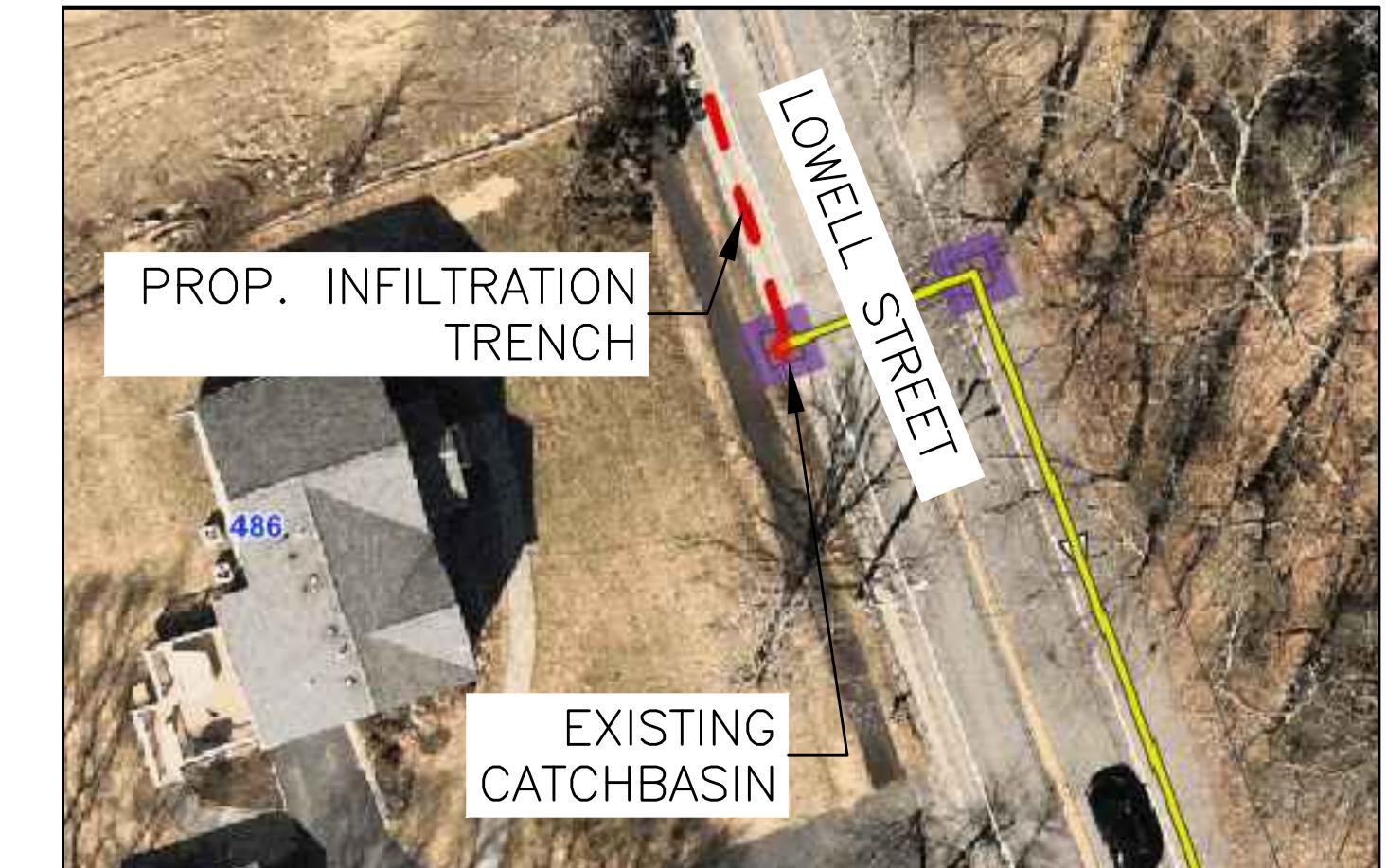
LOCATION #2: 60 LOWELL ST (2175)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	60 LOWELL STREET (IN 2175)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	50.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	2.00	
DEPTH TRENCH PIPE INV. (FT)	2.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	1.25	
N REDUCTION (LB/YR)	8.65	
TSS REDUCTION (LB/YR)	279.39	
SW VOLUME REDUCTION (CF)	218.00	



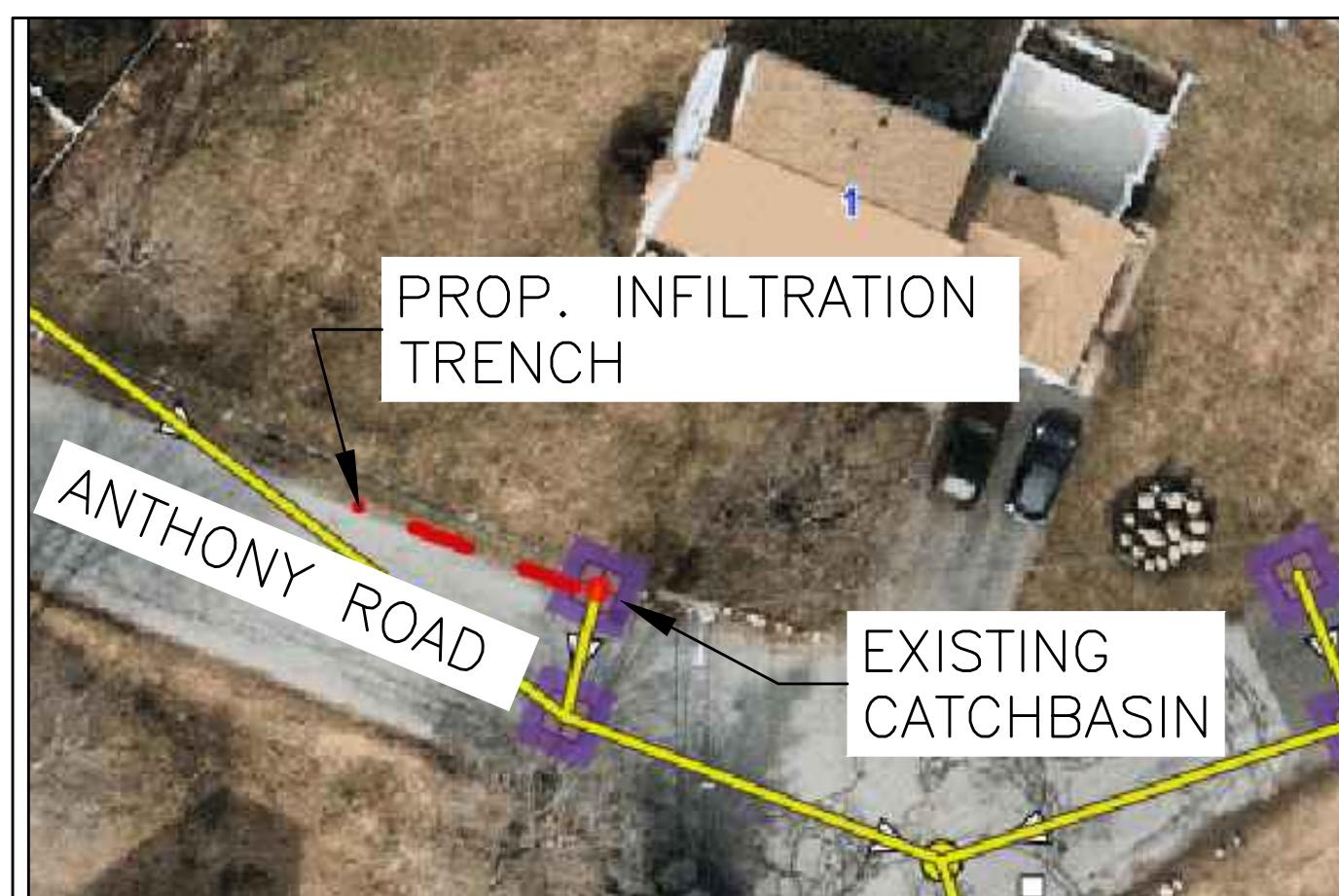
LOCATION #3: 481 LOWELL ST (3722)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	481 LOWELL STREET (IN 3722)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	33.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.71	
N REDUCTION (LB/YR)	4.99	
TSS REDUCTION (LB/YR)	159.66	
SW VOLUME REDUCTION (CF)	126.00	



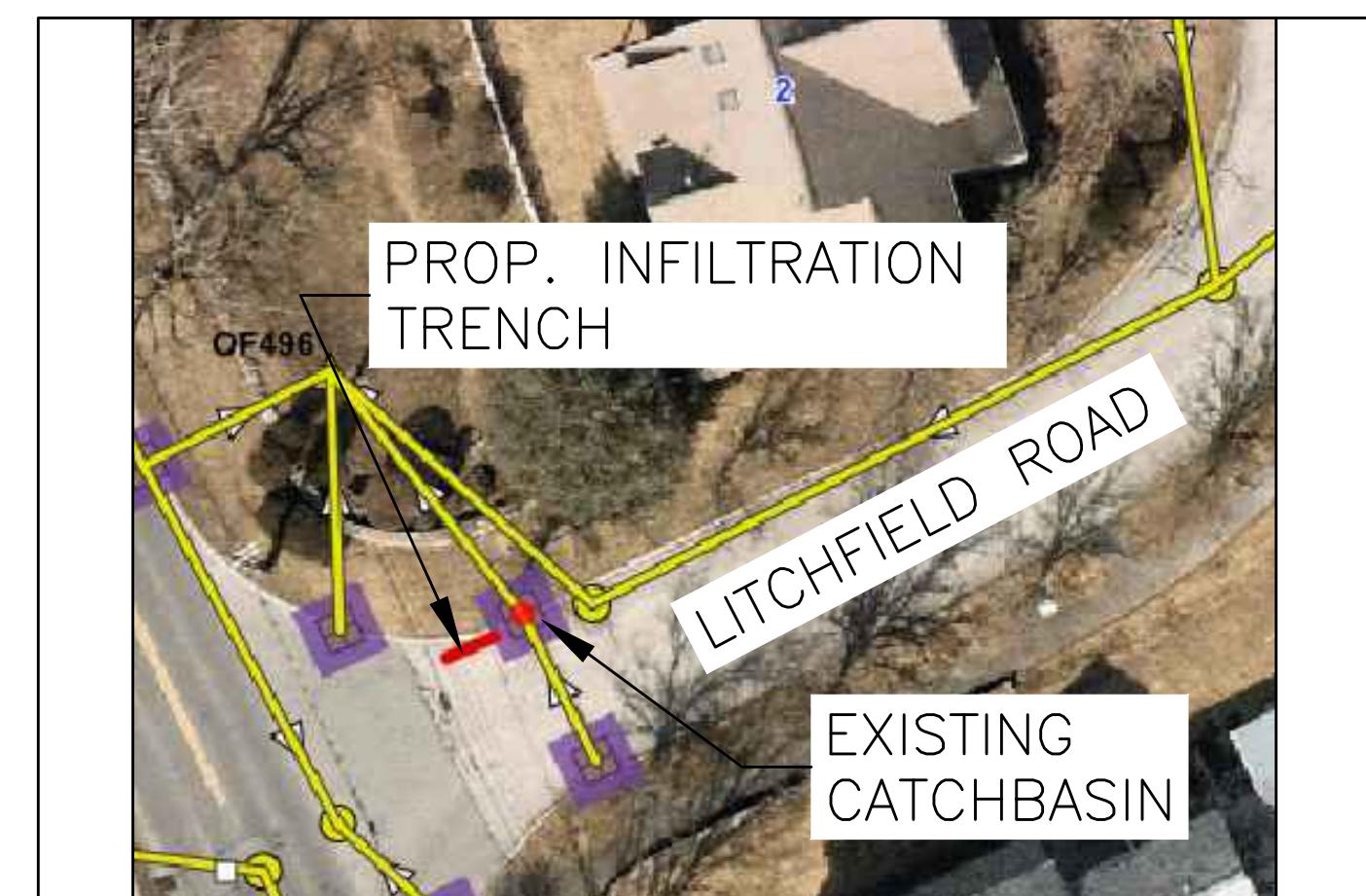
LOCATION #4: 486 LOWELL ST (3723)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	486 LOWELL STREET (IN 3723)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	40.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	1.90	
DEPTH TRENCH PIPE INV. (FT)	2.15	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.87	
N REDUCTION (LB/YR)	6.12	
TSS REDUCTION (LB/YR)	196.09	
SW VOLUME REDUCTION (CF)	154.00	



LOCATION #5: 1 ANTHONY ST (2125)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	1 ANTHONY STREET (IN 2125)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	29.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.90	
N REDUCTION (LB/YR)	6.29	
TSS REDUCTION (LB/YR)	209.06	
SW VOLUME REDUCTION (CF)	159.00	



LOCATION #6: 2 LITCHFIELD RD (2178)

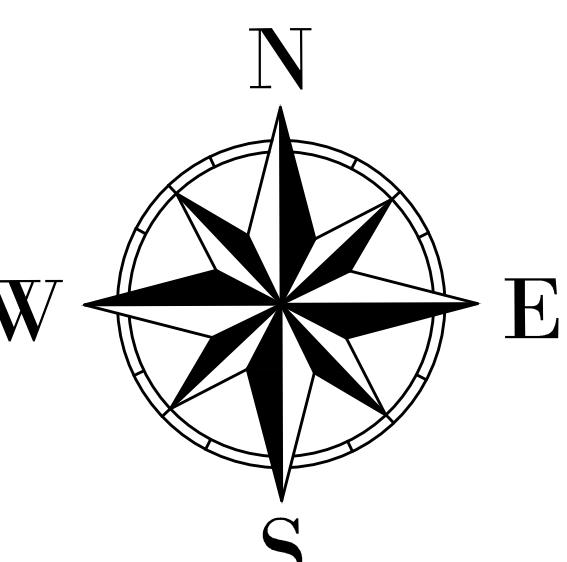
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	2 LITCHFIELD RD (IN 2178)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	10.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	1.70	
DEPTH TRENCH PIPE INV. (FT)	1.95	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.15	
N REDUCTION (LB/YR)	1.08	
TSS REDUCTION (LB/YR)	33.77	
SW VOLUME REDUCTION (CF)	27.00	

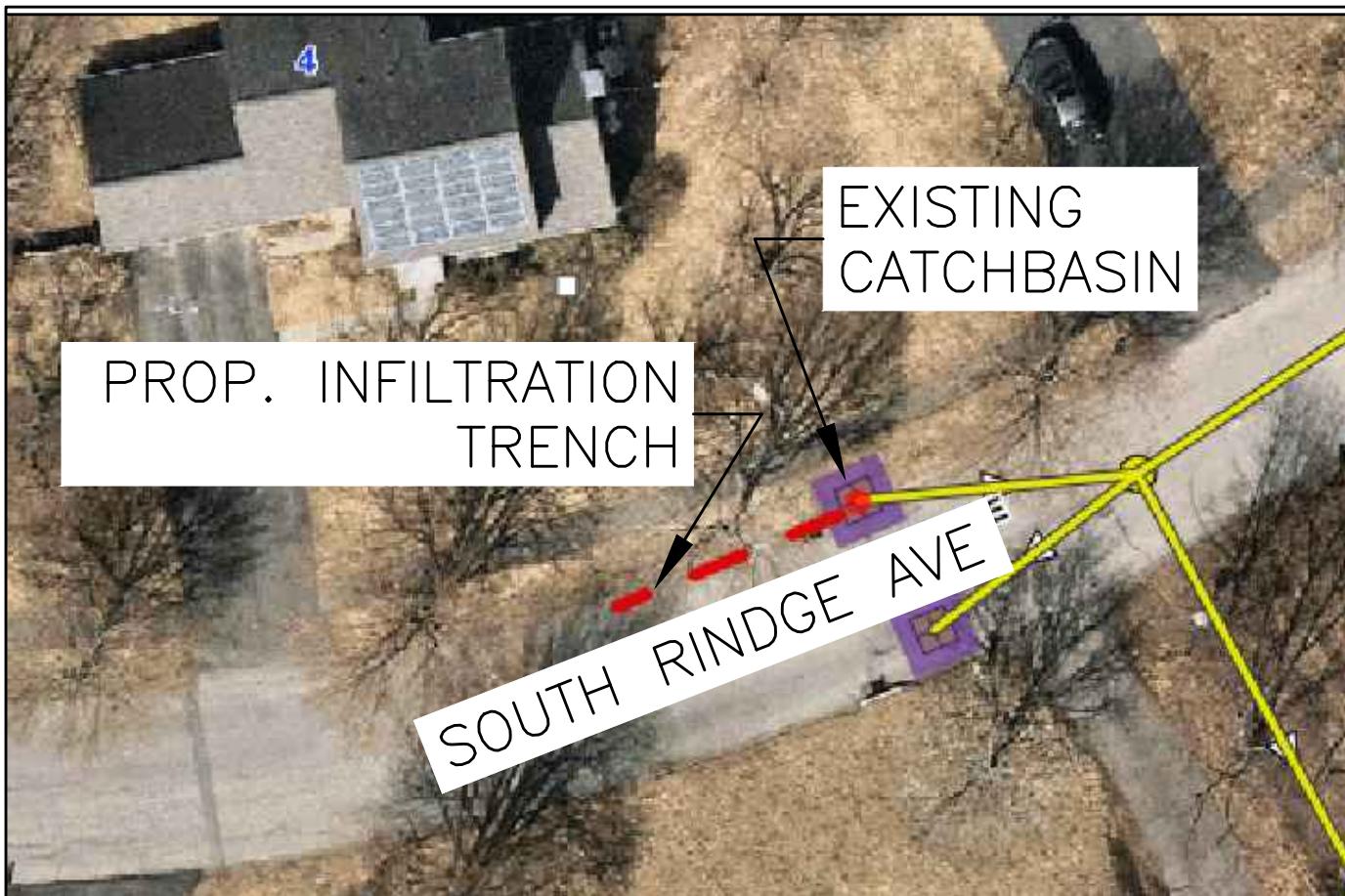


LOCATION #7: 2 LITCHFIELD RD (2179)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	2 LITCHFIELD RD (IN 2179)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	23.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	1.70	
DEPTH TRENCH PIPE INV. (FT)	1.95	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.42	
N REDUCTION (LB/YR)	2.95	
TSS REDUCTION (LB/YR)	93.09	
SW VOLUME REDUCTION (CF)	74.00	

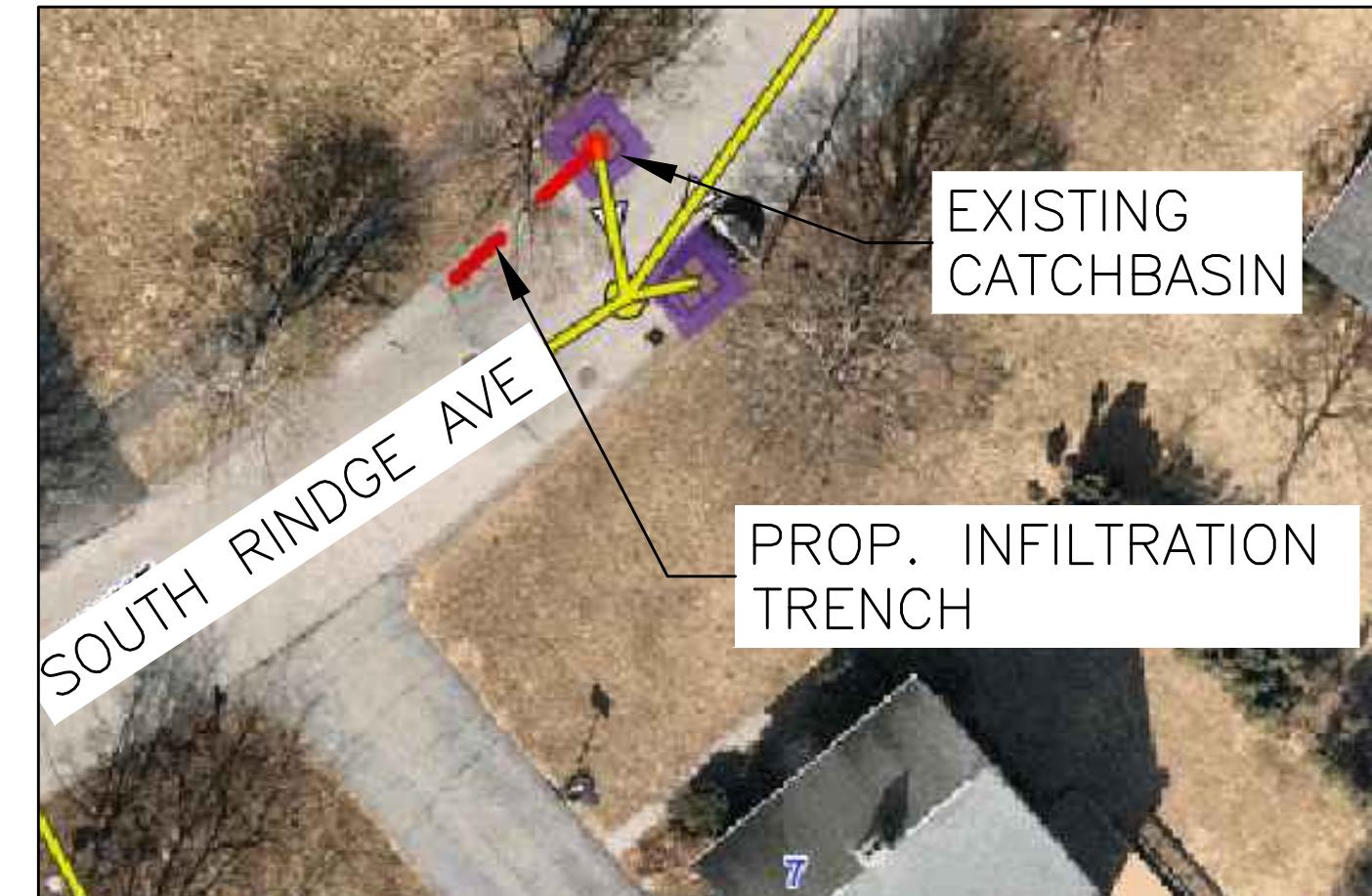
DATE	REVISION	BY	STREET TRENCH DESIGNS AND LOCATIONS		
1/22/21	VIEWPORTS	ML			
1/25/21	DESIGN TABLES	ML			
1/26/21	TRENCH LENGTHS	ML			
Town of Lexington ENGINEERING DIVISION			DRAWN BY: ML DATE: 1/20/21 SCALE: N.T.S.		
			DESIGNED BY: ML CHECKED BY: MS		
			APPROVED BY: _____		
			SHEET 9		





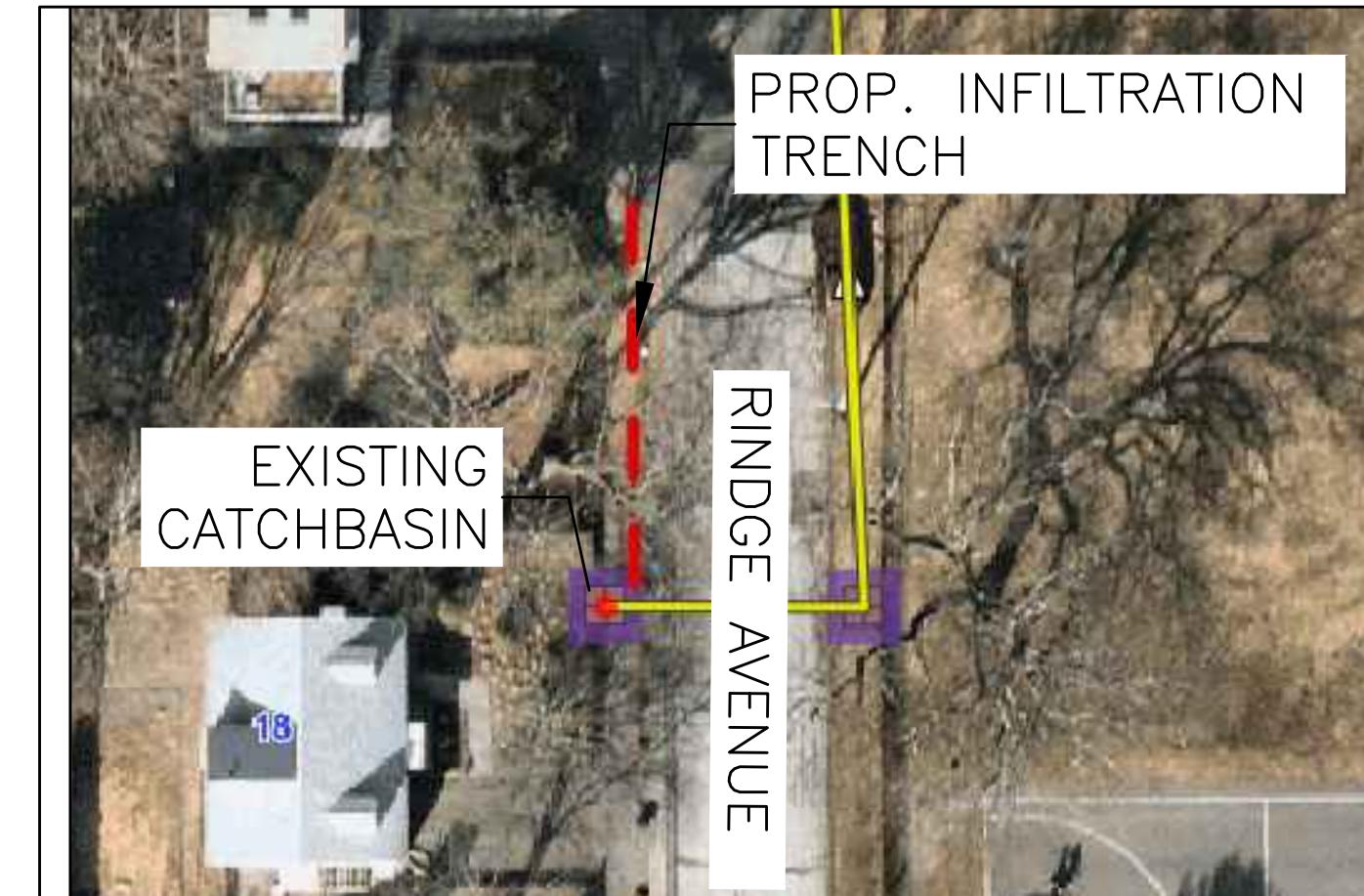
LOCATION #8: 4 SOUTH RINDGE AVE (2213)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	4 SOUTH RINDGE AVE (IN 2213)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	33.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.89	
N REDUCTION (LB/YR)	6.23	
TSS REDUCTION (LB/YR)	203.10	
SW VOLUME REDUCTION (CF)	157.00	



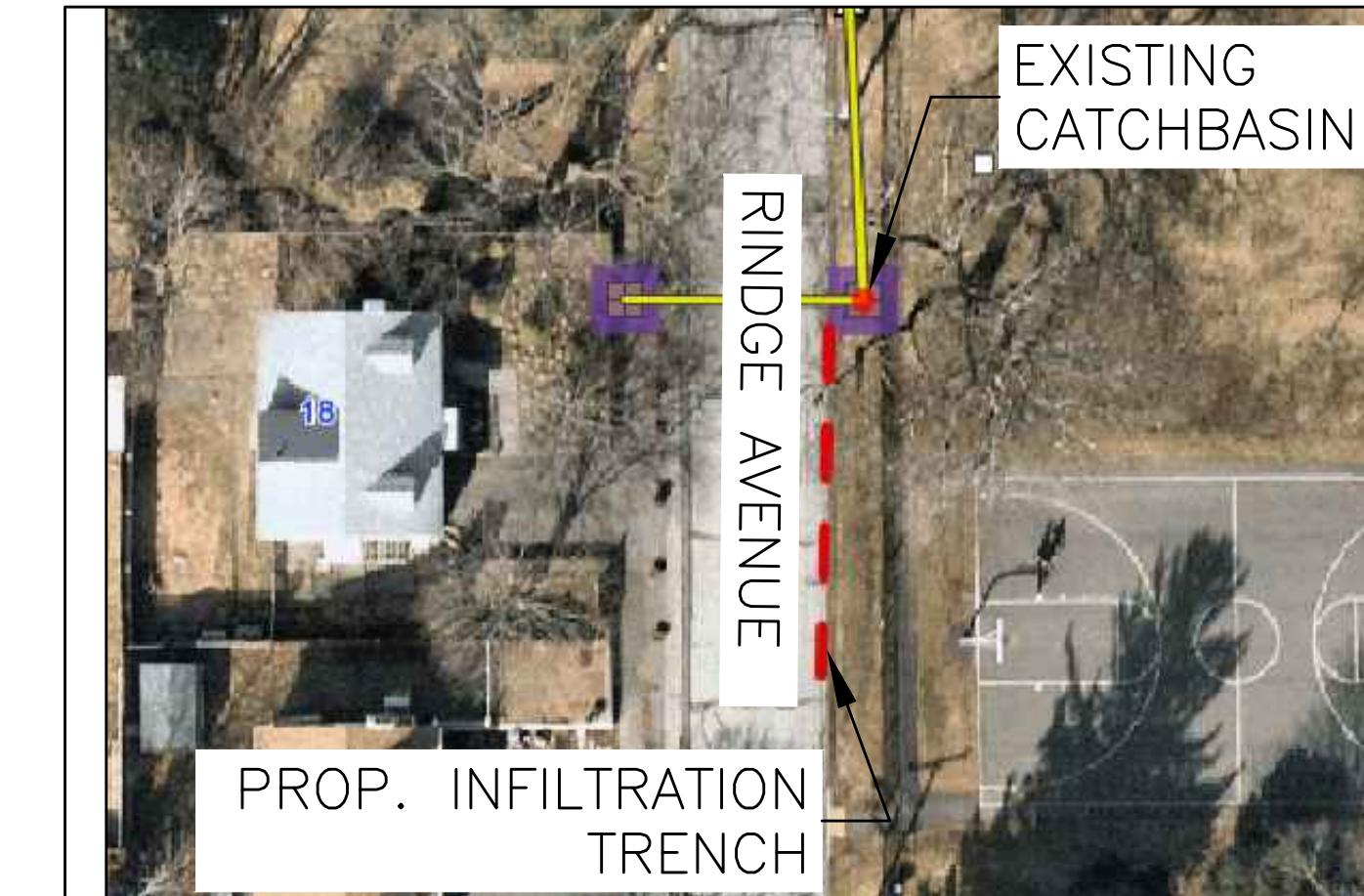
LOCATION #9: 7 SOUTH RINDGE AVE (2215)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	7 SOUTH RINDGE AVE (IN 2215)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	24.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.63	
N REDUCTION (LB/YR)	4.42	
TSS REDUCTION (LB/YR)	143.44	
SW VOLUME REDUCTION (CF)	111.00	



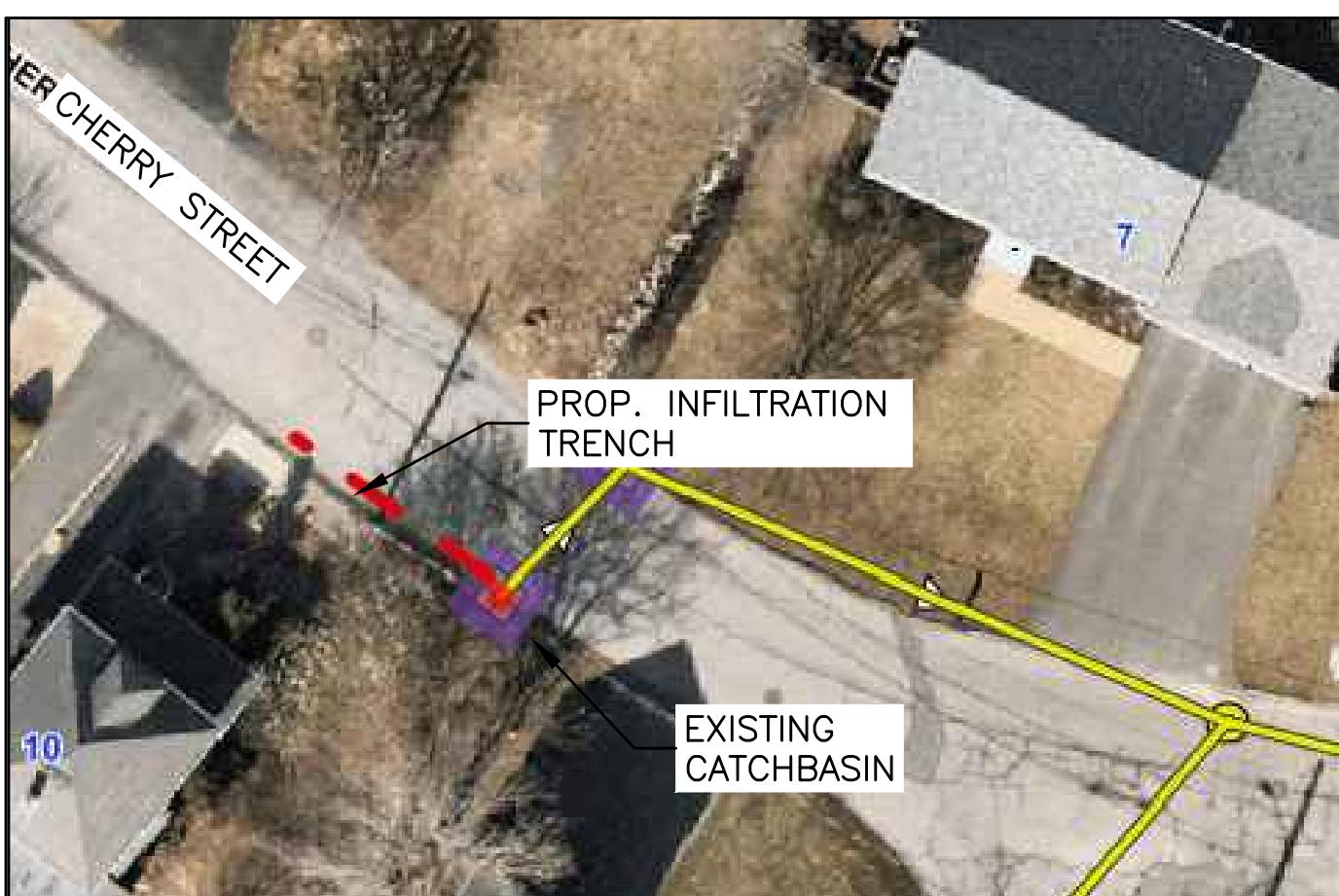
LOCATION #10: 18 RINDGE AVE (2092)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	18 RINDGE AVE (IN 2092)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	50.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	2.55	
N REDUCTION (LB/YR)	17.74	
TSS REDUCTION (LB/YR)	675.21	
SW VOLUME REDUCTION (CF)	447.00	



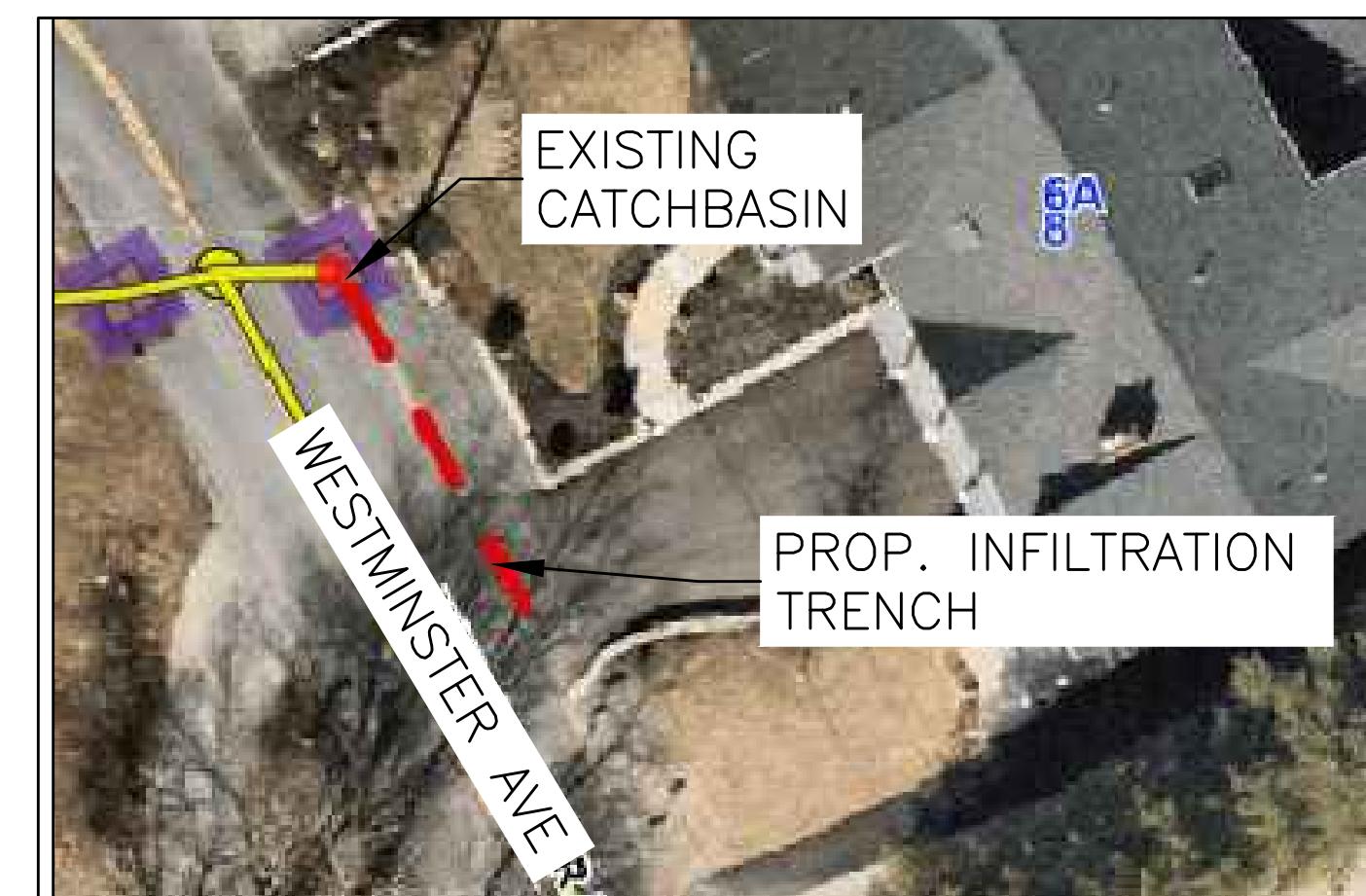
LOCATION #11: 18 RINDGE AVE (2093)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	18 RINDGE AVE (IN 2093)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	50.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	2.50	
DEPTH TRENCH PIPE INV. (FT)	2.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	1.25	
N REDUCTION (LB/YR)	8.79	
TSS REDUCTION (LB/YR)	284.42	
SW VOLUME REDUCTION (CF)	222.00	



LOCATION #12: 7 CHERRY ST (2250)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	7 CHERRY ST (IN 2250)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	30.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.20	
DEPTH TRENCH PIPE INV. (FT)	3.45	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.65	
N REDUCTION (LB/YR)	4.65	
TSS REDUCTION (LB/YR)	146.22	
SW VOLUME REDUCTION (CF)	115.00	



LOCATION #13: 8 WESTMINSTER AVE (2186)

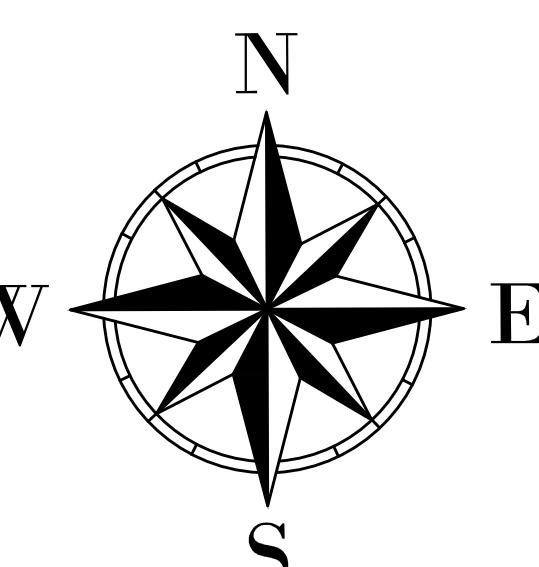
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	8 WESTMINSTER AVE (IN 2186)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	40.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	1.48	
N REDUCTION (LB/YR)	10.38	
TSS REDUCTION (LB/YR)	359.55	
SW VOLUME REDUCTION (CF)	262.00	

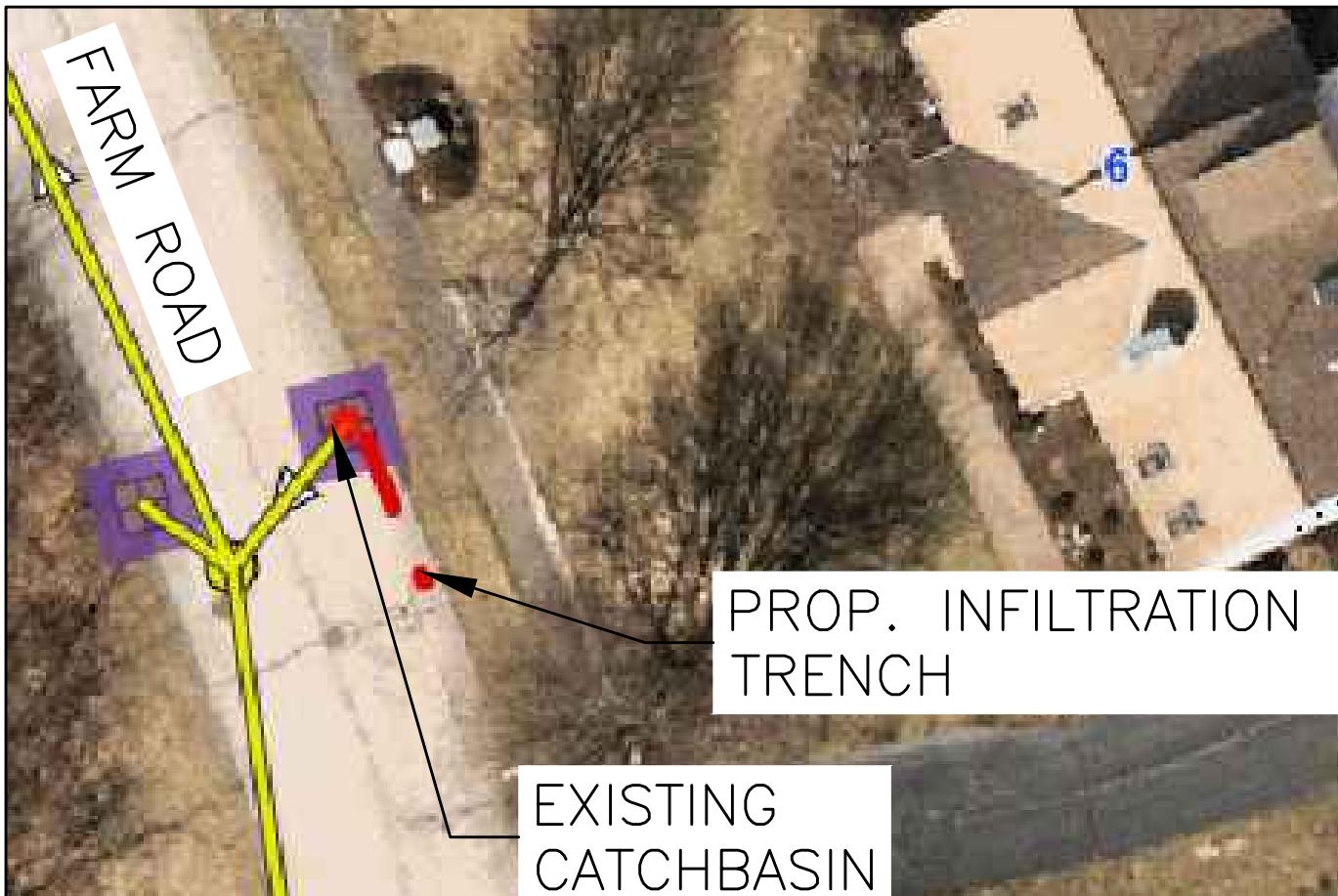


LOCATION #14: 6 RUSSELL RD (2726)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	6 RUSSELL RD (IN 2726)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	40.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.14	
N REDUCTION (LB/YR)	1.01	
TSS REDUCTION (LB/YR)	31.36	
SW VOLUME REDUCTION (CF)	25.00	

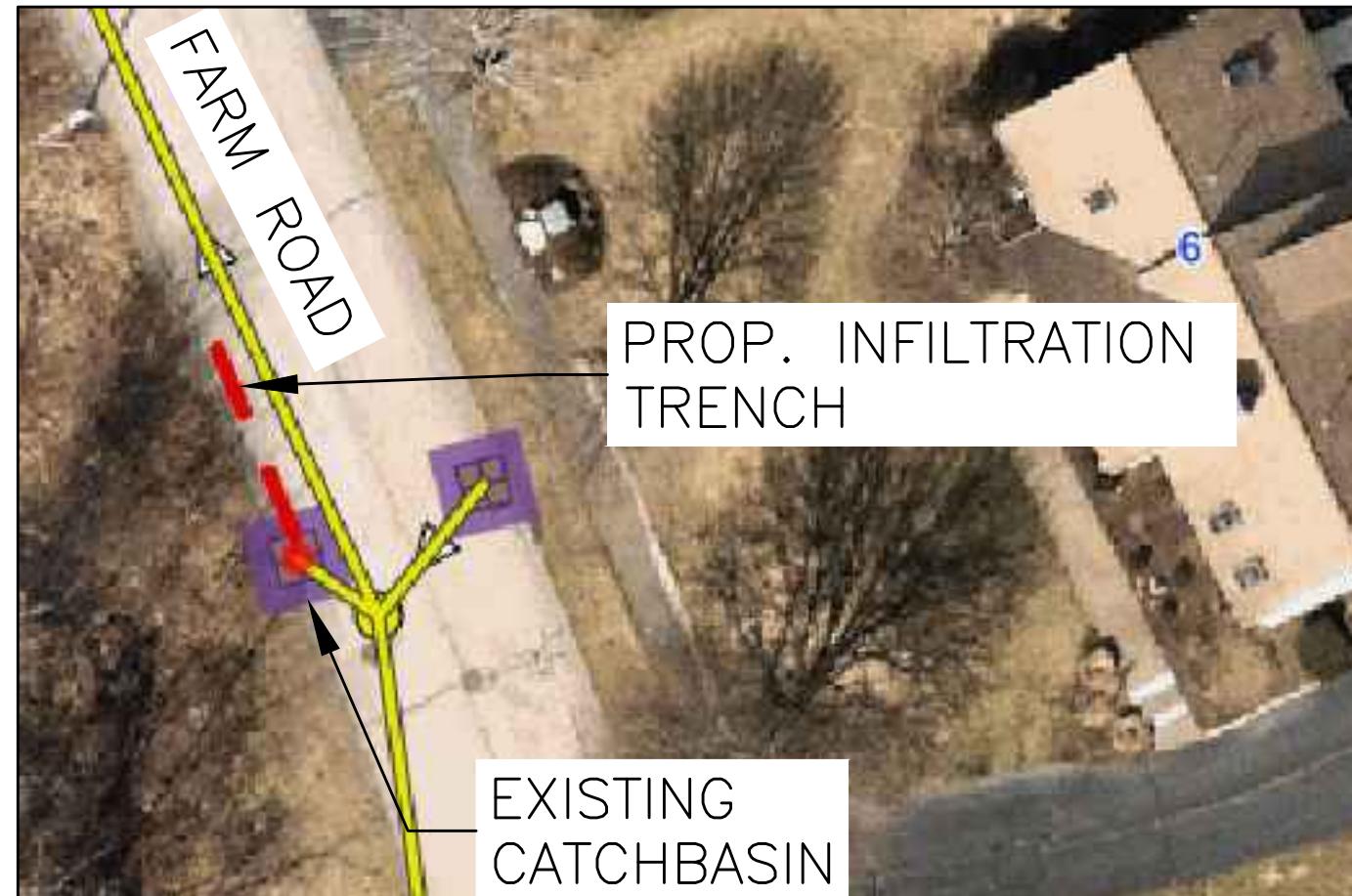
DATE	REVISION	BY
1/22/21	VIEWPORTS	ML
1/25/21	DESIGN TABLES	ML
1/26/21	TRENCH LENGTHS	ML
STREET TRENCH DESIGNS AND LOCATIONS		
Town of Lexington ENGINEERING DIVISION		
DRAWN BY: ML DATE: 1/20/21 SCALE: N.T.S.		
DESIGNED BY: ML CHECKED BY: MS		
APPROVED BY: _____		
SHEET 10		





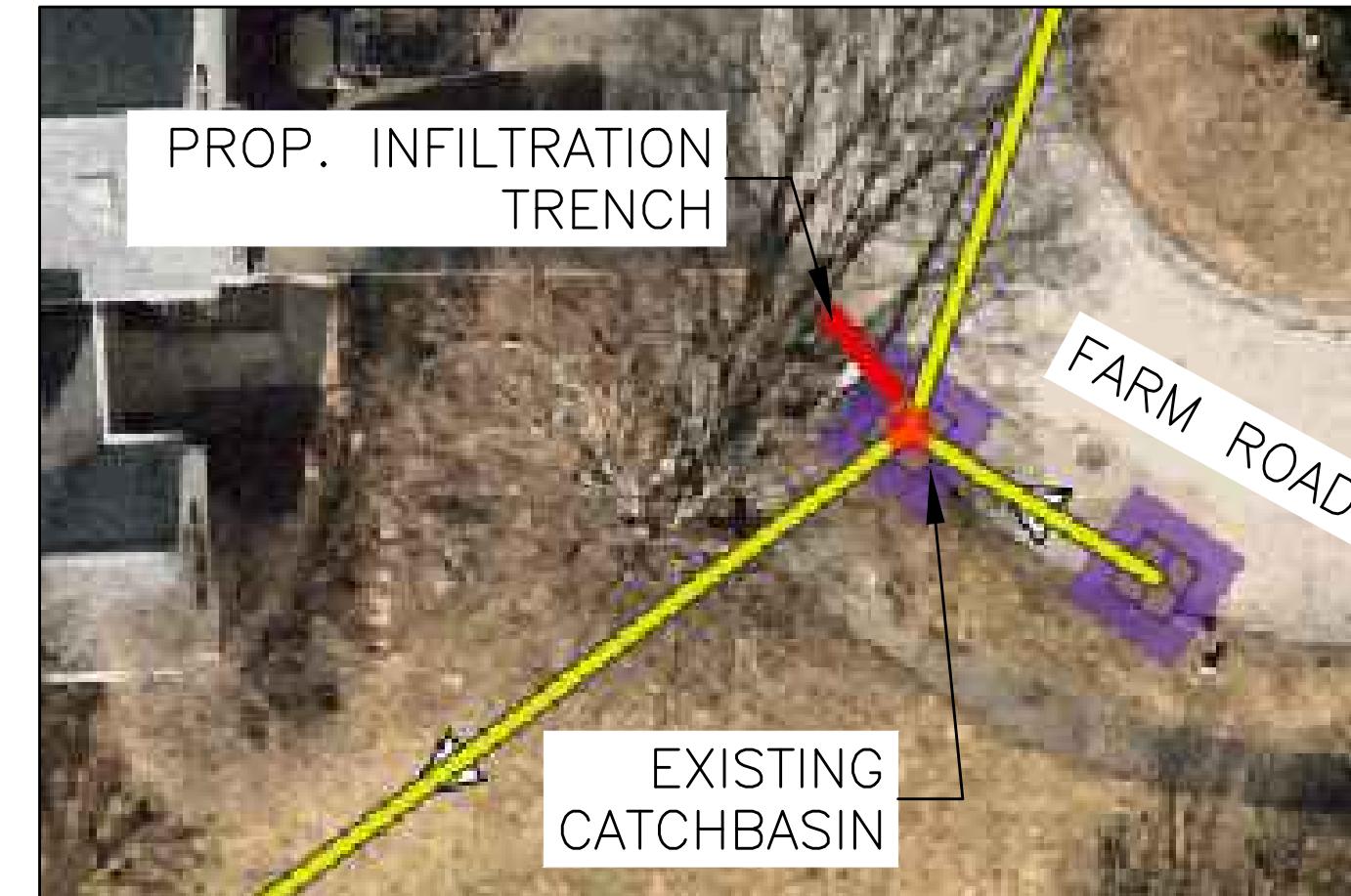
LOCATION #15: 6 FARM RD (2148)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	6 FARM RD (IN 2148)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	6.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.17	
N REDUCTION (LB/YR)	1.19	
TSS REDUCTION (LB/YR)	38.93	
SW VOLUME REDUCTION (CF)	30.00	



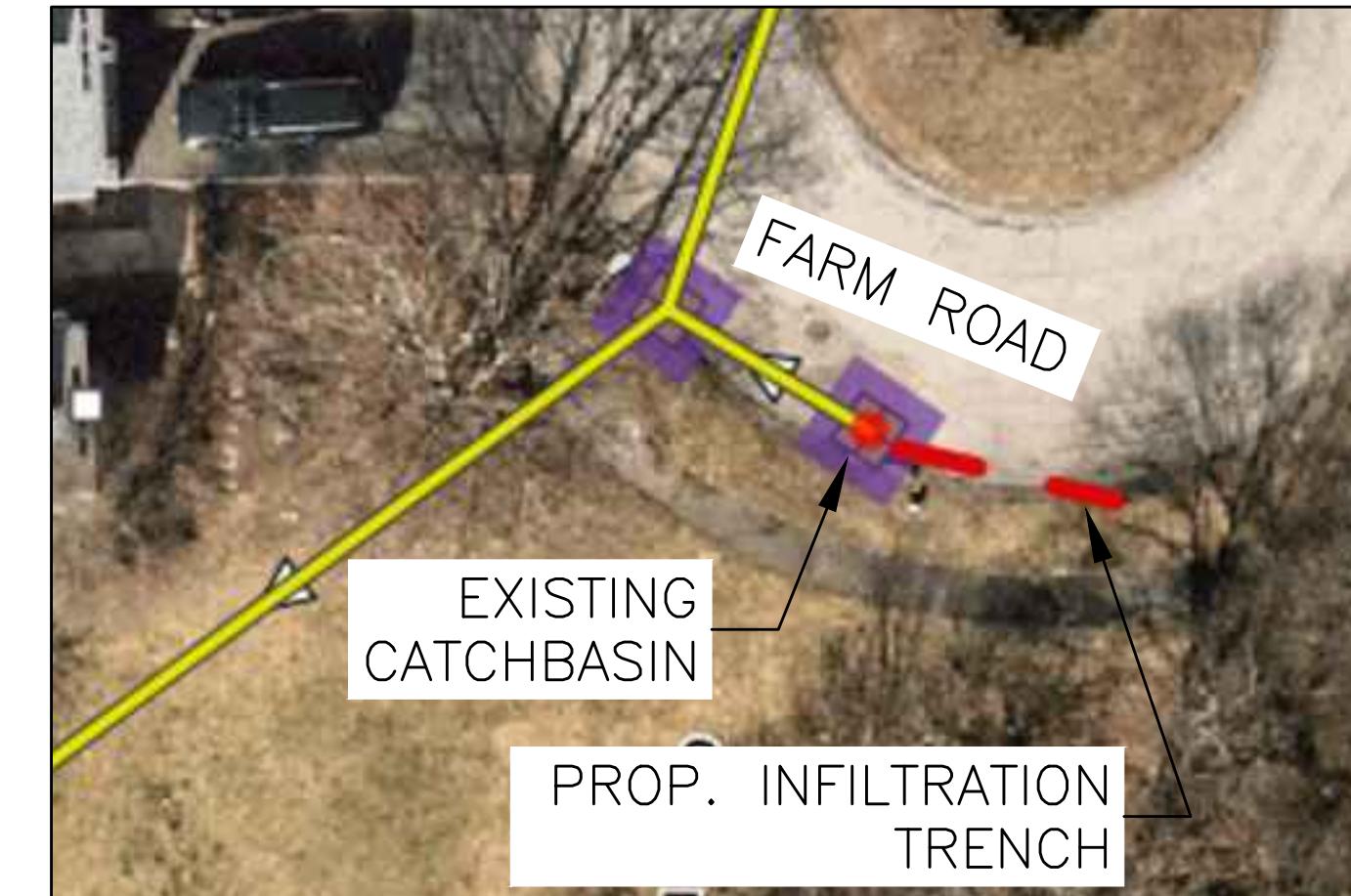
LOCATION #16: 6 FARM RD (2149)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	6 FARM RD (IN 2149)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	25.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.89	
N REDUCTION (LB/YR)	6.22	
TSS REDUCTION (LB/YR)	213.45	
SW VOLUME REDUCTION (CF)	157.00	



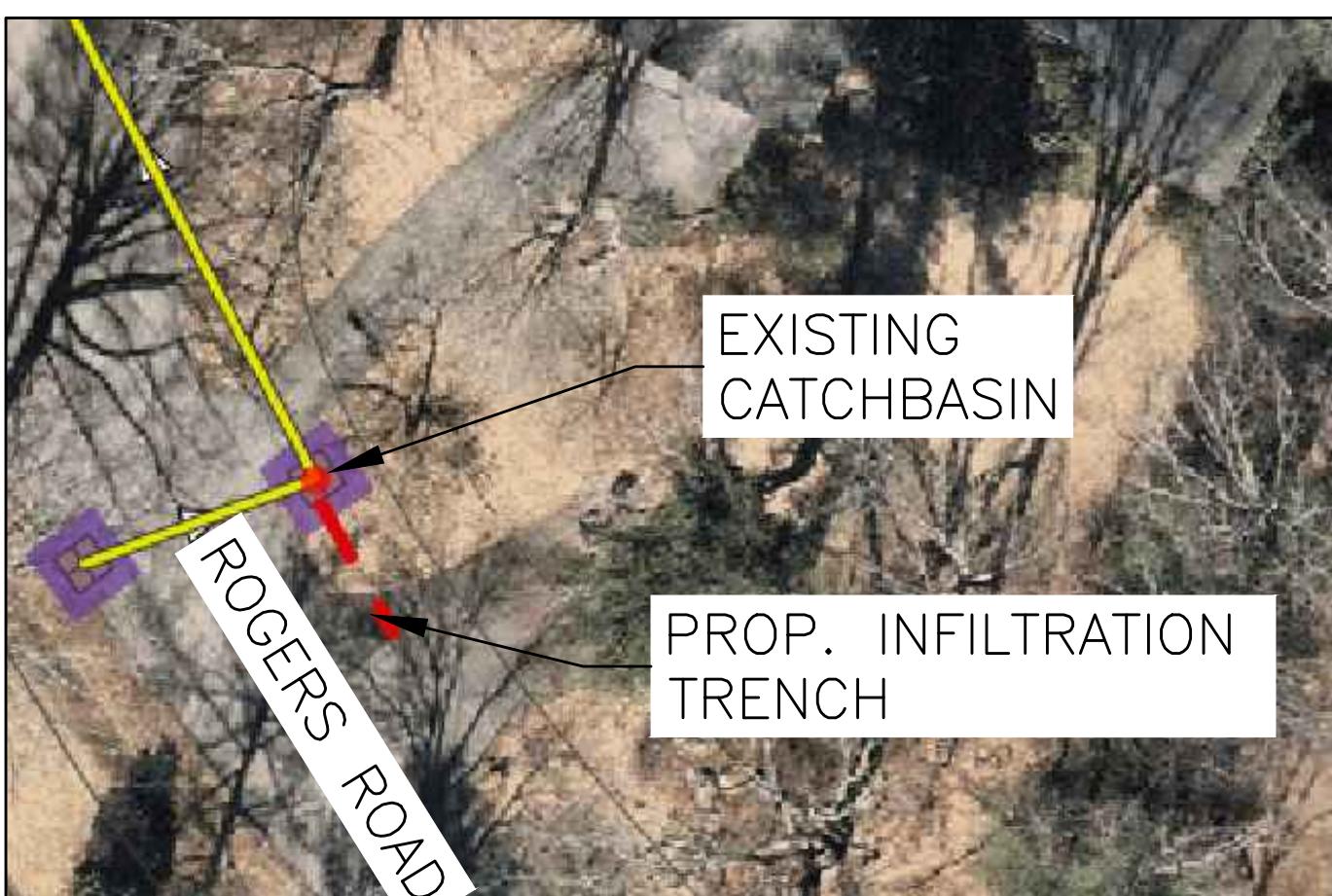
LOCATION #17: 7 FARM RD (2193)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	7 FARM RD (IN 2193)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	9.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.24	
N REDUCTION (LB/YR)	1.66	
TSS REDUCTION (LB/YR)	53.90	
SW VOLUME REDUCTION (CF)	42.00	



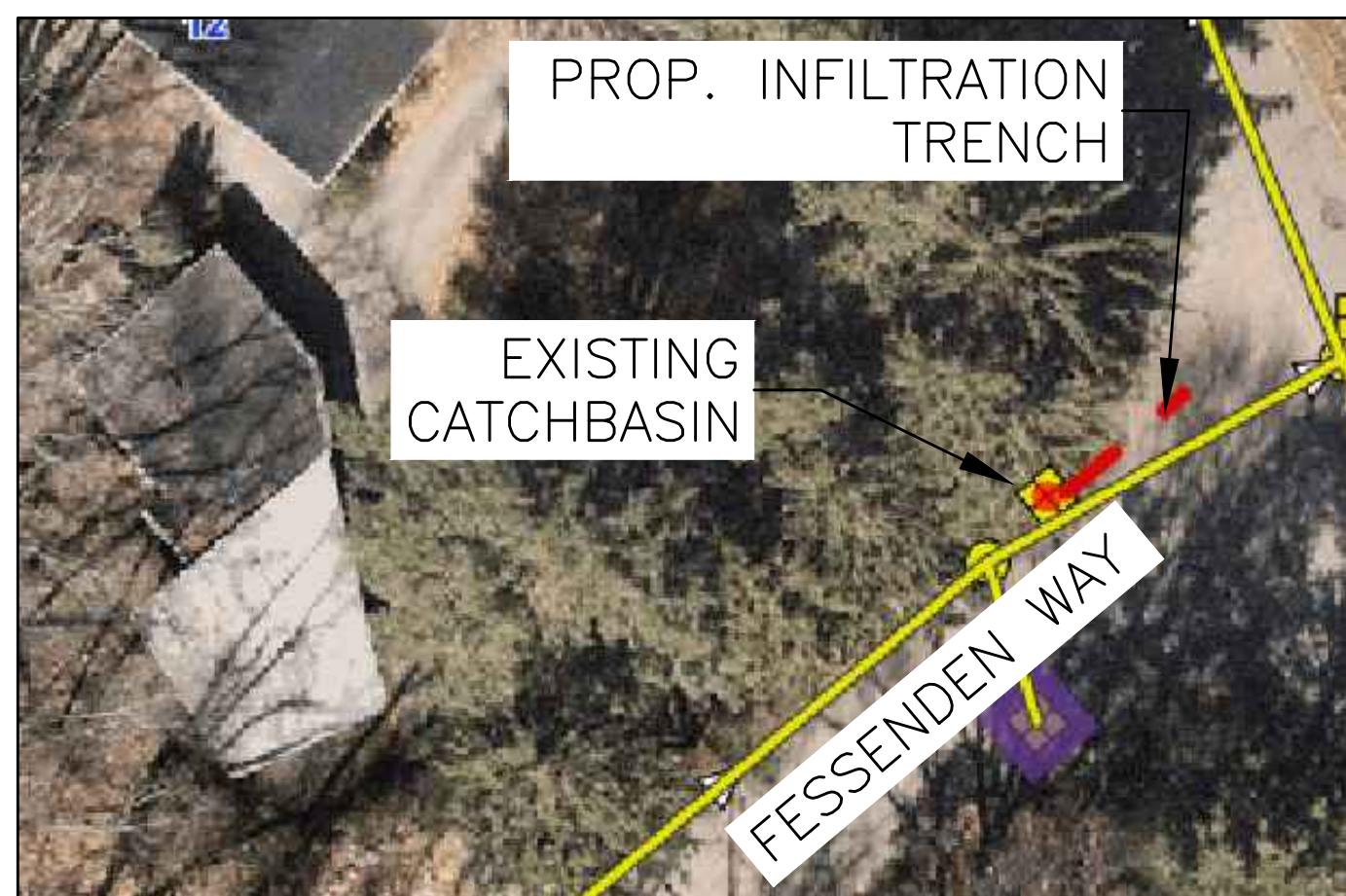
LOCATION #18: 7 FARM RD (2194)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	7 FARM RD (IN 2194)	
TRENCH DESIGN	DESIGN	AS-BUIL
LENGTH (FT)	19.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUIL
P REDUCTION (LB/YR)	0.58	
N REDUCTION (LB/YR)	4.04	
TSS REDUCTION (LB/YR)	133.74	
SW VOLUME REDUCTION (CF)	102.00	



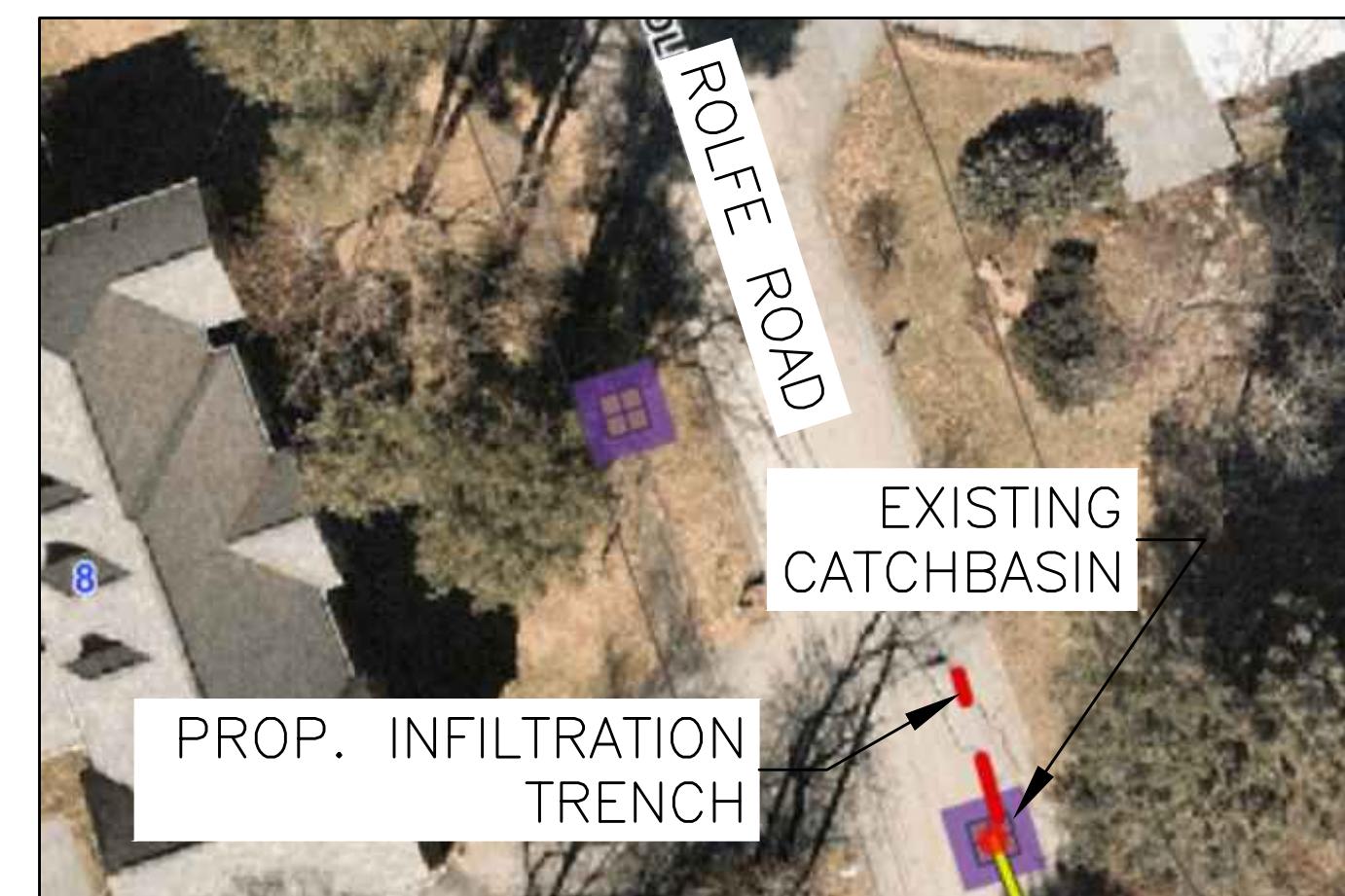
LOCATION #19: 3 ROGERS RD (7751)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	3 ROGERS RD (IN 7751)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.20	
DEPTH TRENCH PIPE INV. (FT)	3.45	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.62	
N REDUCTION (LB/YR)	4.32	
TSS REDUCTION (LB/YR)	148.87	
SW VOLUME REDUCTION (CF)	109.00	



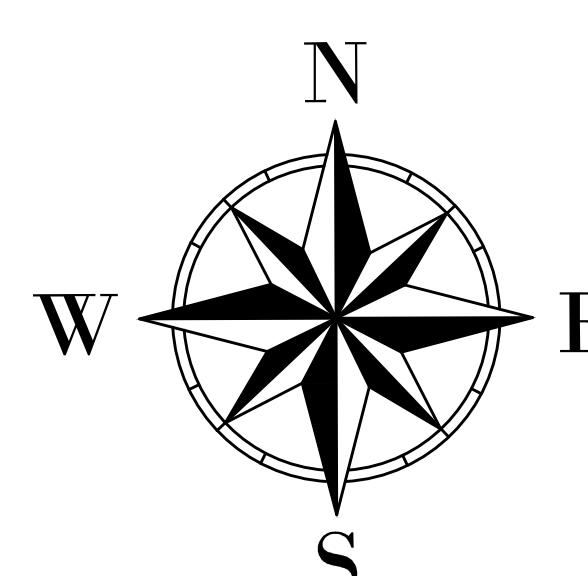
LOCATION #20: 12 FESSENDEN WAY (7748)

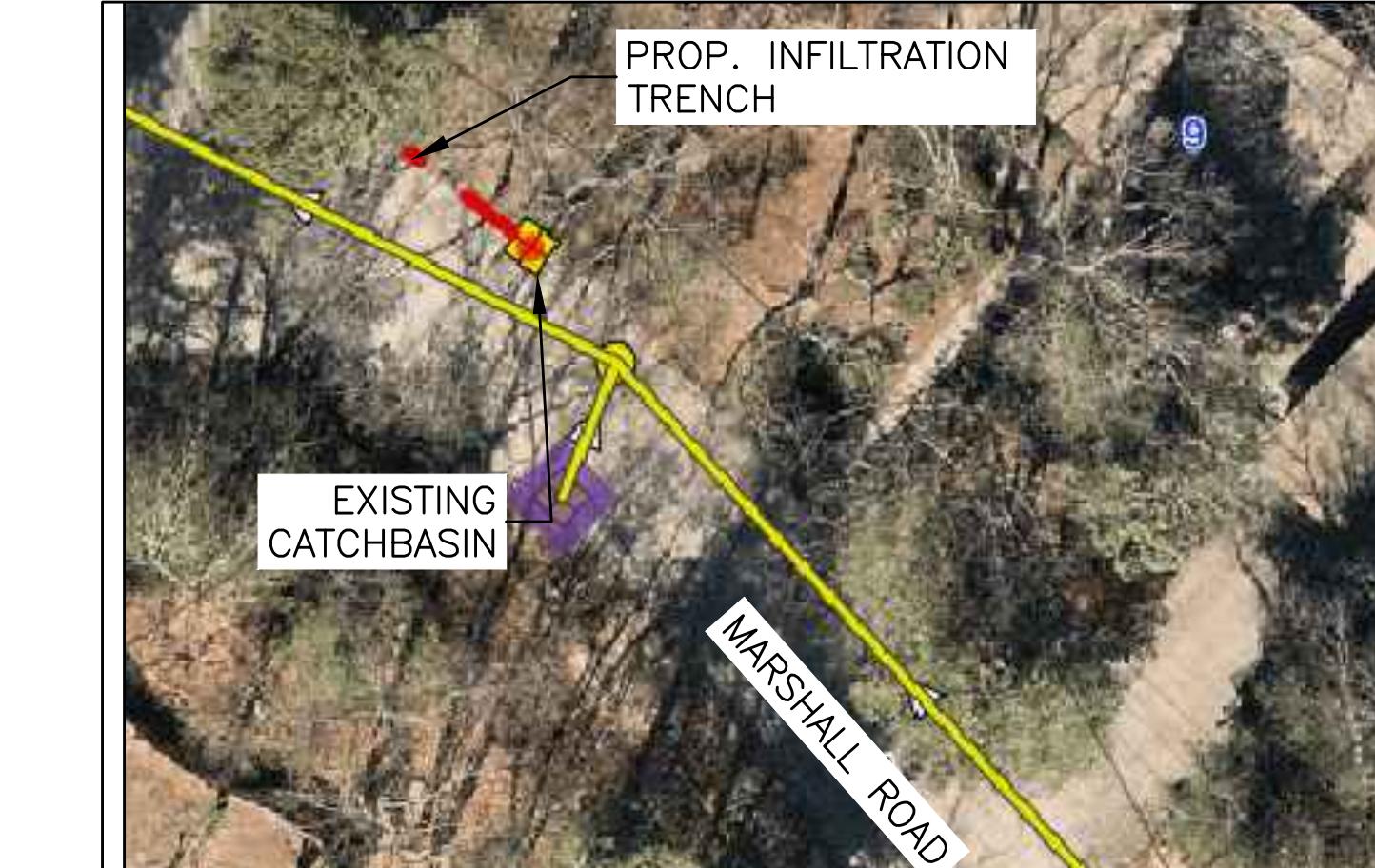
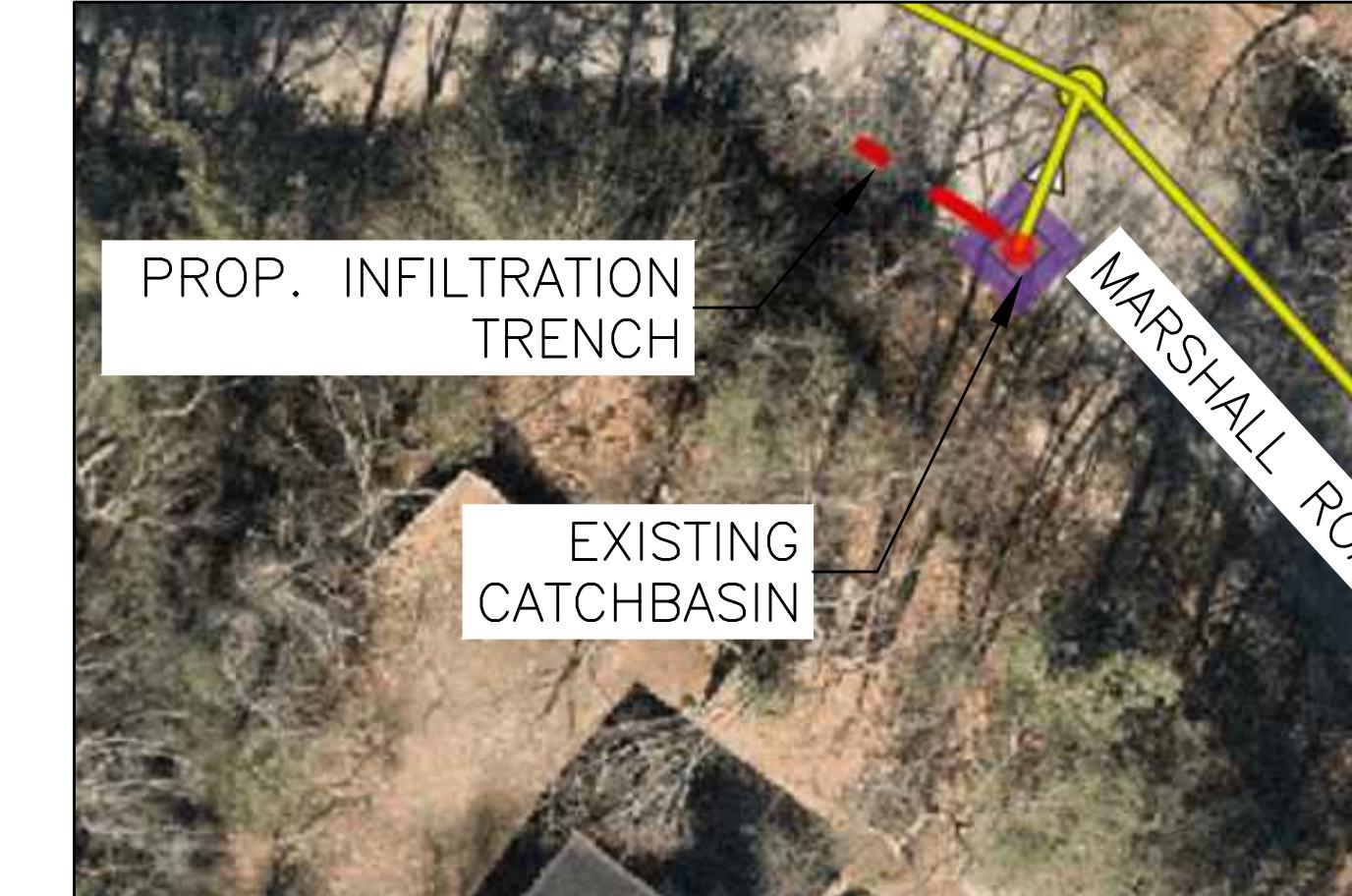
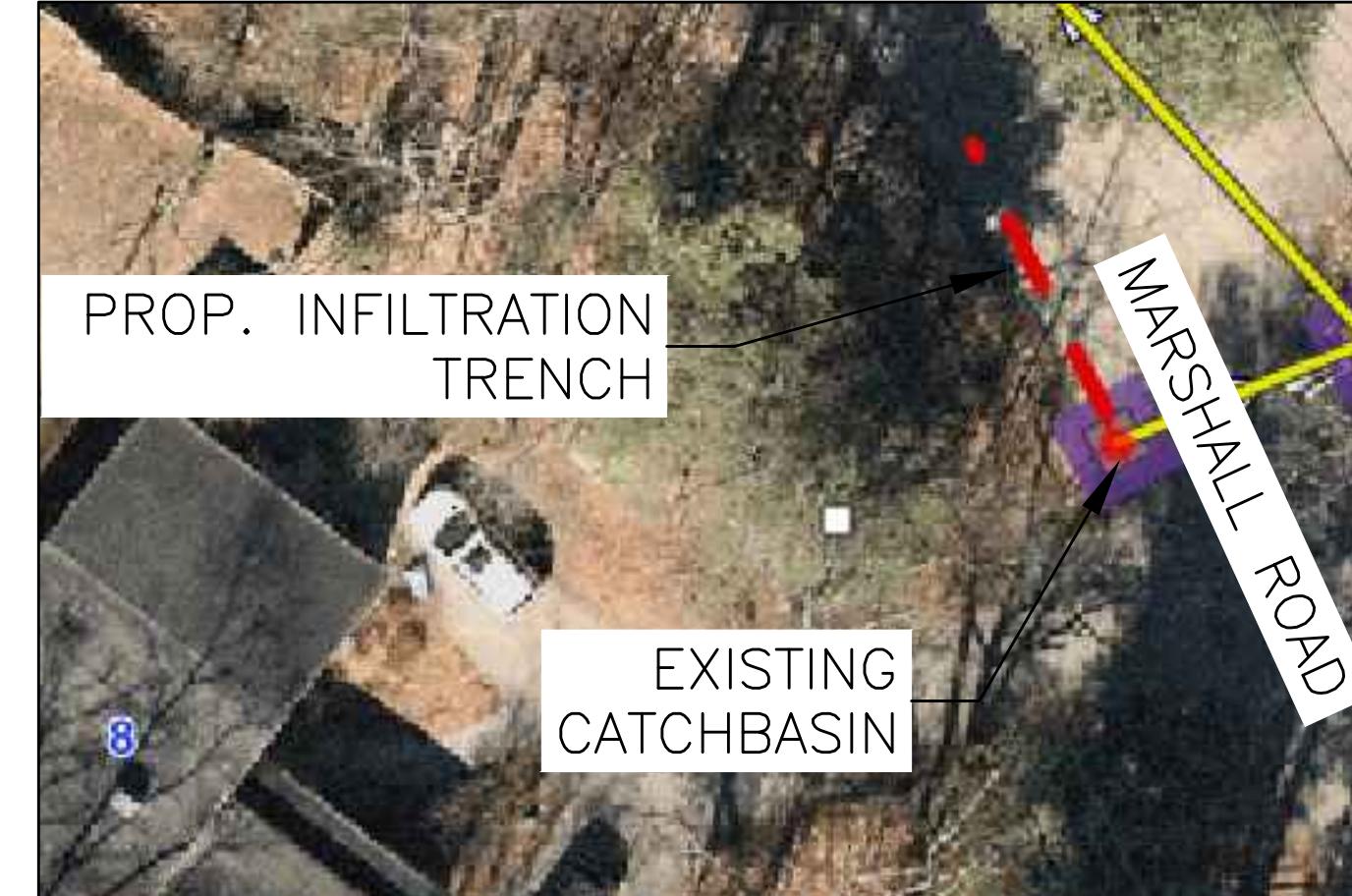
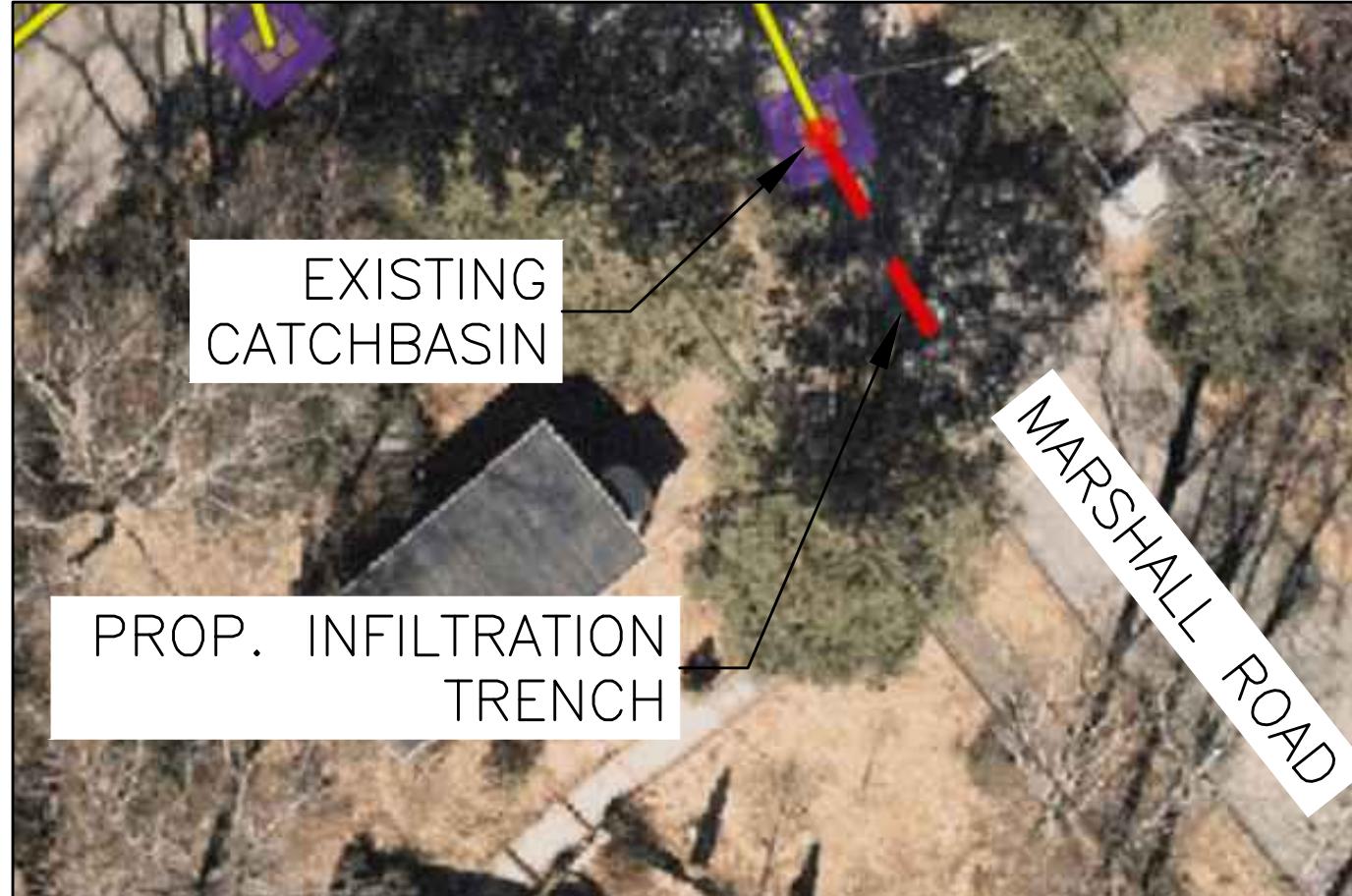
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	12 FESSENDEN WAY (IN 7748)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	17.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.62	
N REDUCTION (LB/YR)	4.32	
TSS REDUCTION (LB/YR)	148.87	
SW VOLUME REDUCTION (CF)	109.00	



LOCATION #21: 7 ROLFE RD (3271)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	7 ROLFE RD (IN 3721)	
TRENCH DESIGN	DESIGN	AS-BUIL
LENGTH (FT)	14.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUIL
P REDUCTION (LB/YR)	0.50	
N REDUCTION (LB/YR)	3.48	
TSS REDUCTION (LB/YR)	119.24	
SW VOLUME REDUCTION (CF)	88.00	





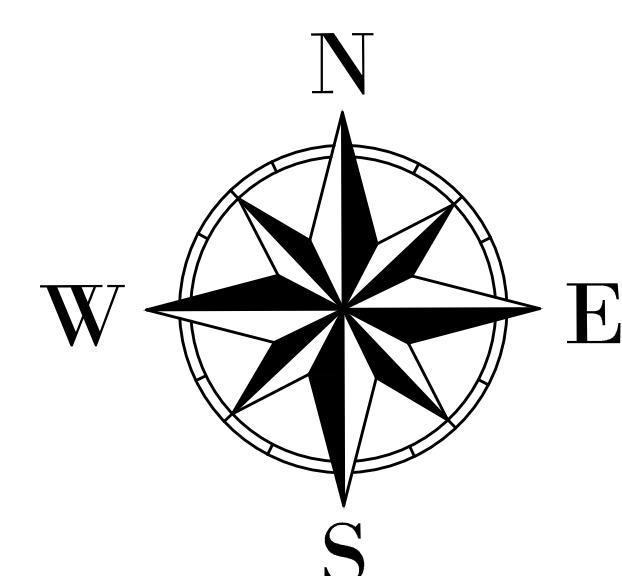
LOCATION #22: 4 MARSHALL RD (3280) LOCATION #23: 8 MARSHALL RD (3275) LOCATION #24: 8 MARSHALL RD (3277) LOCATION #25: 9 MARSHALL RD (7747)

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	4 MARSHALL RD (IN 3280)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	25.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.00	
DEPTH TRENCH PIPE INV. (FT)	3.25	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	1.01	
N REDUCTION (LB/YR)	7.03	
TSS REDUCTION (LB/YR)	247.76	
SW VOLUME REDUCTION (CF)	177.00	

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	8 MARSHALL RD (IN 3275)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	30.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.40	
DEPTH TRENCH PIPE INV. (FT)	3.65	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	1.39	
N REDUCTION (LB/YR)	9.70	
TSS REDUCTION (LB/YR)	358.81	
SW VOLUME REDUCTION (CF)	244.00	

DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	8 MARSHALL RD (IN 3277)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	15.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.40	
DEPTH TRENCH PIPE INV. (FT)	3.65	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.53	
N REDUCTION (LB/YR)	3.70	
TSS REDUCTION (LB/YR)	126.73	
SW VOLUME REDUCTION (CF)	93.00	

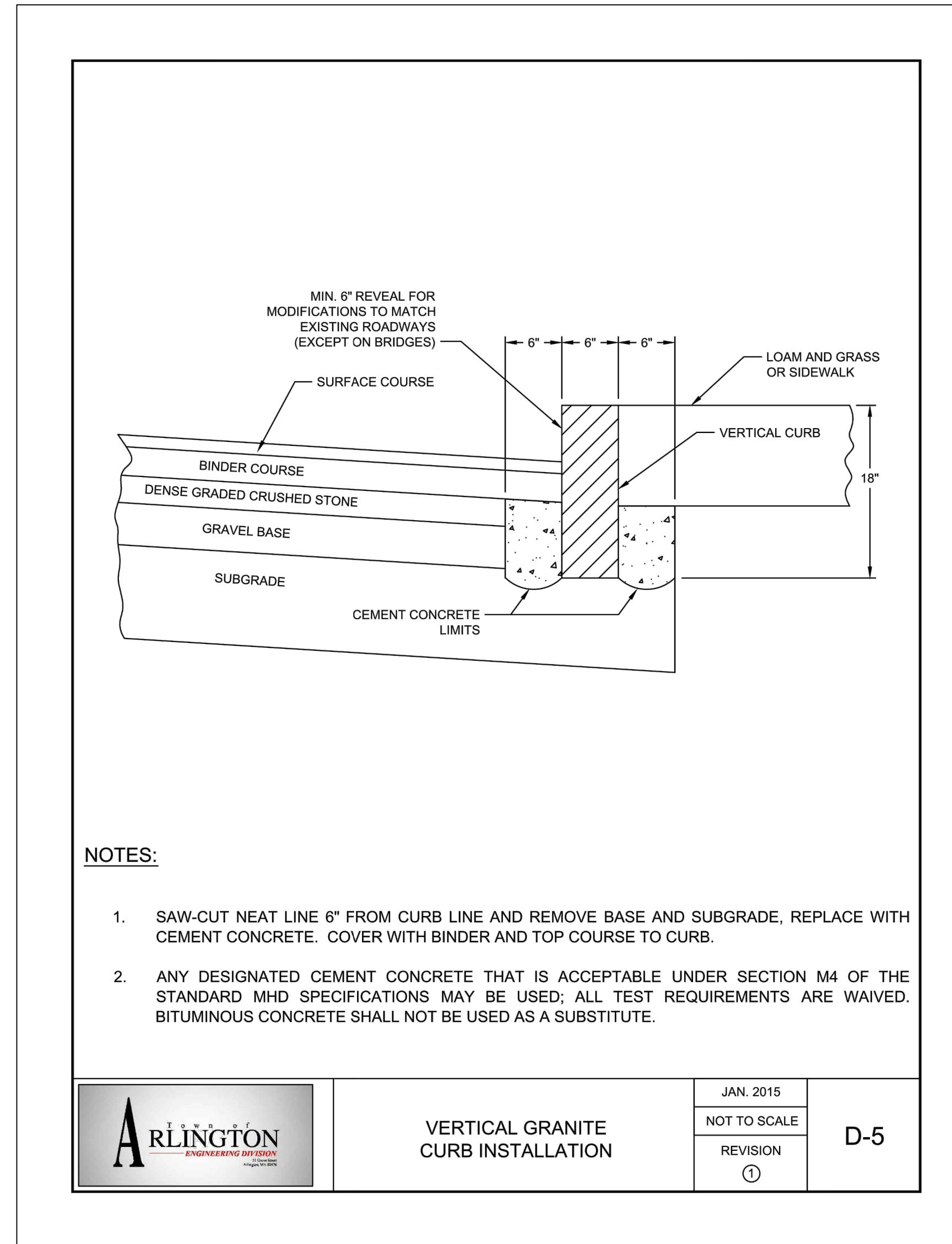
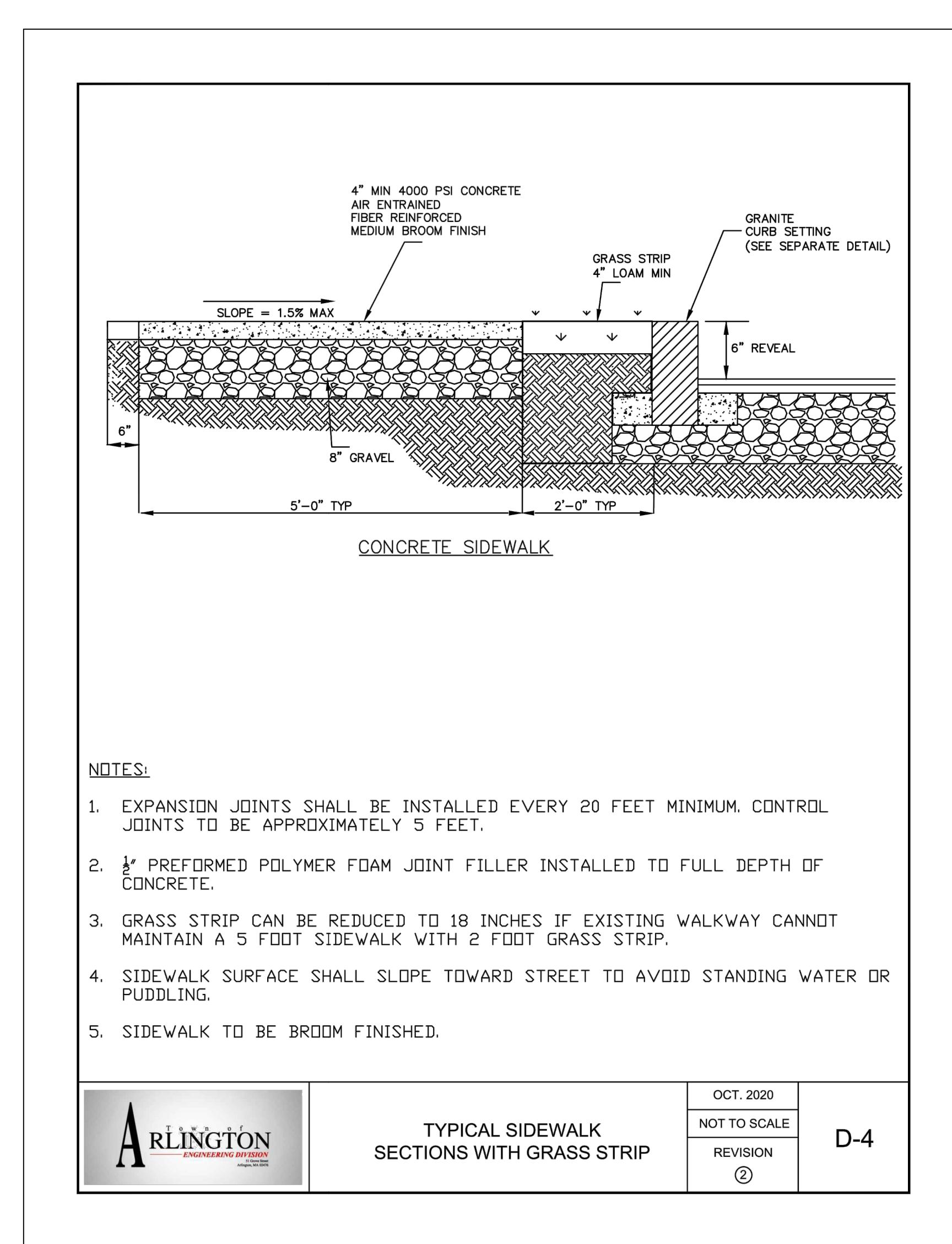
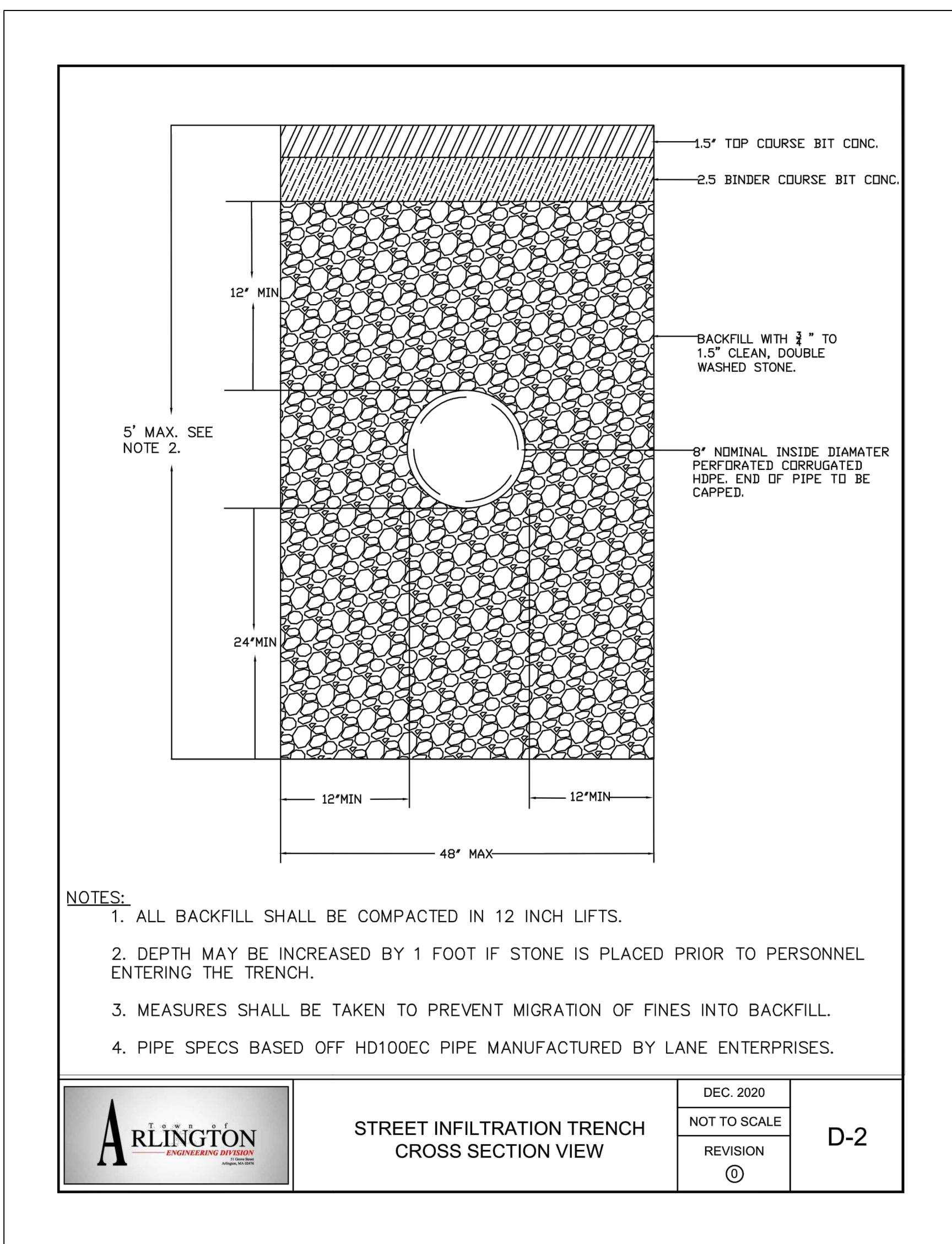
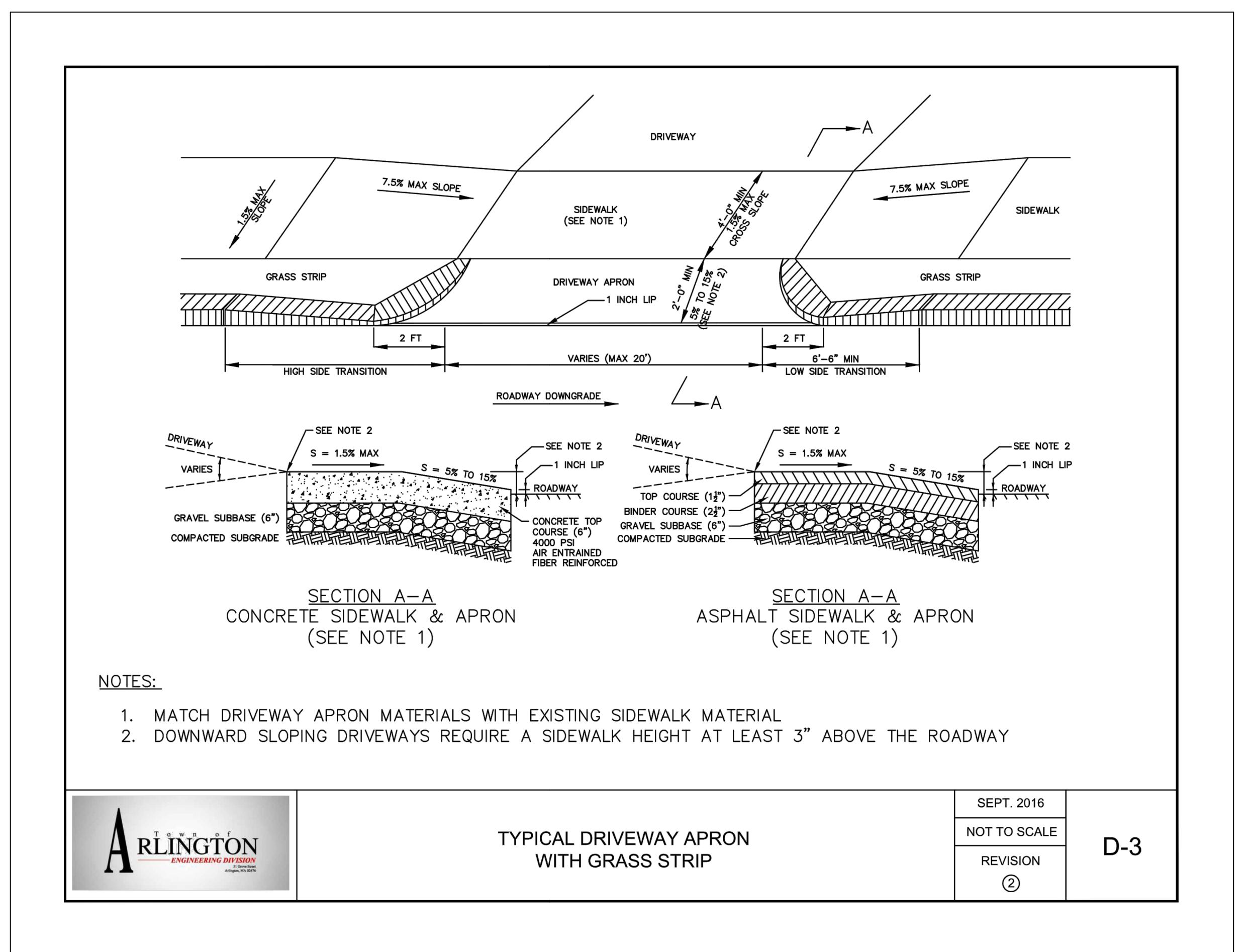
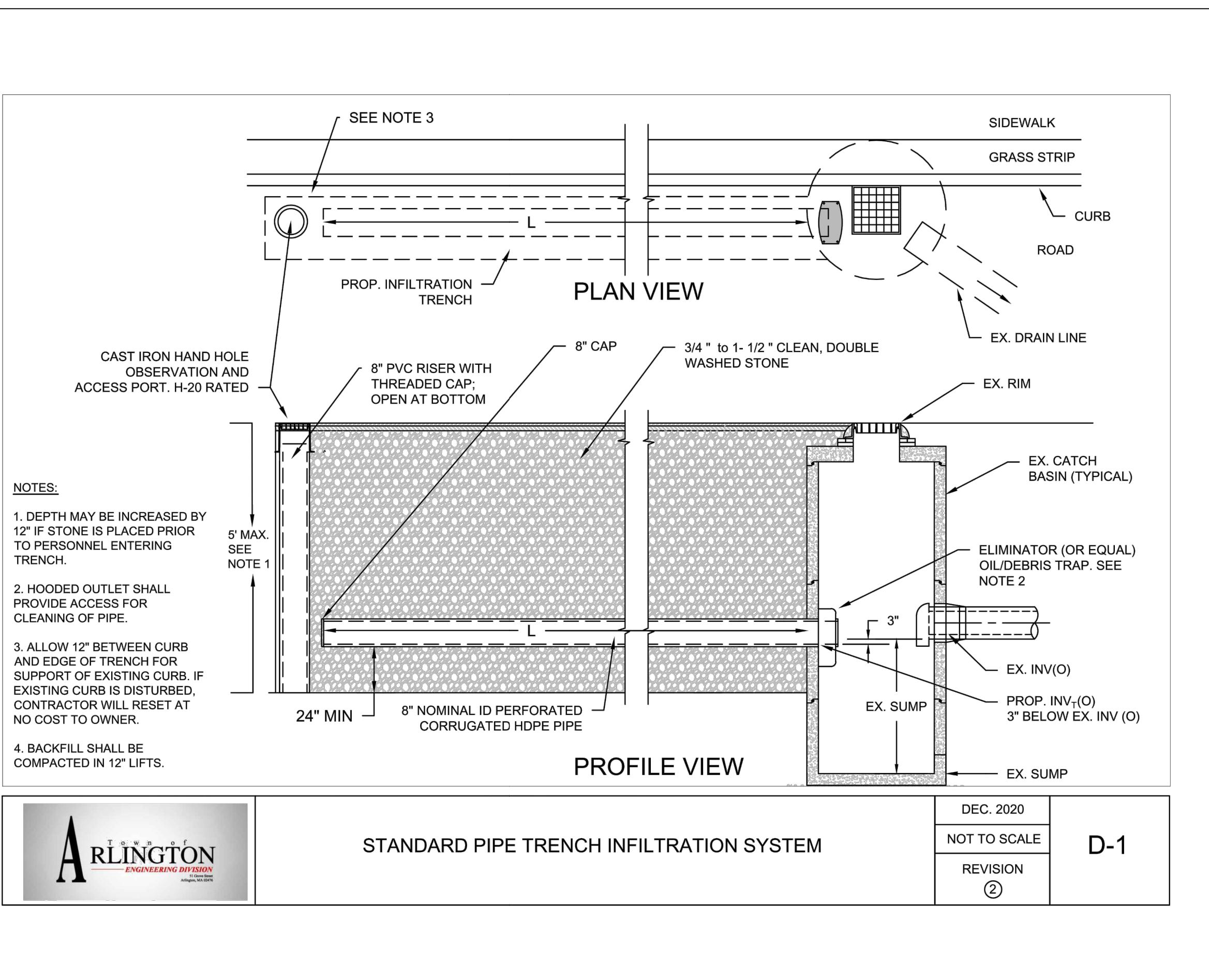
DESIGN & AS-BUILT TABLE		
NEAREST ADDRESS	9 MARSHALL RD (IN 77447)	
TRENCH DESIGN	DESIGN	AS-BUILT
LENGTH (FT)	16.00	
WIDTH (FT)	4.00	
DEPTH (FT)	5.00	
HOOD TYPE	NA	
DEPTH EXISTING INV. OUT (FT)	3.50	
DEPTH TRENCH PIPE INV. (FT)	3.75	
DEPTH TRENCH BOTTOM (FT)	5.00	
POLLUTANT REMOVAL	DESIGN	AS-BUILT
P REDUCTION (LB/YR)	0.29	
N REDUCTION (LB/YR)	2.03	
TSS REDUCTION (LB/YR)	64.00	
SW VOLUME REDUCTION (CF)	51.00	



DATE	REVISION	BY
1/22/21	VIEWPORTS	ML
1/25/21	DESIGN TABLES	ML
1/26/21	TRENCH LENGTHS	ML

*STREET TRENCH DESIGNS AND LOCATIONS*

<i>Town of Lexington</i>	<i>DRAWN BY: ML</i>	<i>DATE: 1/20/21</i>
<i>ENGINEERING</i>	<i>DESIGNED BY: ML</i>	<i>SCALE: N.T.S</i>
<i>DIVISION</i>	<i>CHECKED BY: MS</i>	
<i>APPROVED BY:</i> _____		
		<i>SHEET 12</i>



## NOTES

1. PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A FORMAL SURVEY OF THE PROJECT AREAS WAS NOT CONDUCTED. UTILITY LOCATIONS AND INVERT MEASUREMENTS ARE APPROXIMATE.

2. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG-SAFE AND ALL APPLICABLE UTILITIES OF THE PROPOSED WORK PRIOR TO ANY EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIG-SAFE AND MUST BE NOTIFIED DIRECTLY AT LEAST 72 HOURS PRIOR TO EXCAVATION BY CALLING 781-316-3310.

3. TRENCHES HAVE BEEN PROPOSED IN LOCATIONS WHERE NO UTILITY CONFLICTS WERE APPARENT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPLICABLE UTILITIES FOR APPROPRIATE MARK-OUTS AND CONFIRMING NO CONFLICTS ARE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER SHOULD ANY EXISTING UTILITY CONFLICTS BE IDENTIFIED WITHIN PROPOSED TRENCH LIMITS.

4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING RESIDENTS AND ABUTTERS OF ANY WORK THAT MAY INTERFERE WITH DRIVEWAY AND WALKWAY ACCESS.

5. A RELATIVE LOCAL DATUM HAS BEEN SET FOR EACH TRENCH LOCATION. THE CATCHBASIN RIM ELEVATION HAS BEEN SET TO ZERO FEET (0.0') AT EACH LOCATION.

6. EXISTING ASPHALT SHOULD BE SAWCUT PRIOR TO EXCAVATION.

7. TRENCHES SHOULD BE BACKFILLED AND COMPACTED IN 12 INCH LIFTS.

8. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE CONSTRUCTION SIGNAGE AND BARRIERS AS NEEDED AND SHALL BE INCIDENTAL TO THE CONTRACT.

9. CONTRACTOR TO MAINTAIN CLEAN WORK ZONE AND SWEEP WORK SITE DAILY.

10. PAVING TO BE COMPLETED WEEKLY.

11. EROSION CONTROL SHALL BE USED WHEN NECESSARY AND CONSIDERED INCIDENTAL TO THE CONTRACT. ANY SEDIMENT THAT ENTERS THE TOWN'S STORMWATER SYSTEM AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR.

12. CONTRACTOR SHOULD TAKE CARE TO NOT IMPACT NEARBY TREES DURING CONSTRUCTION.

13. ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.

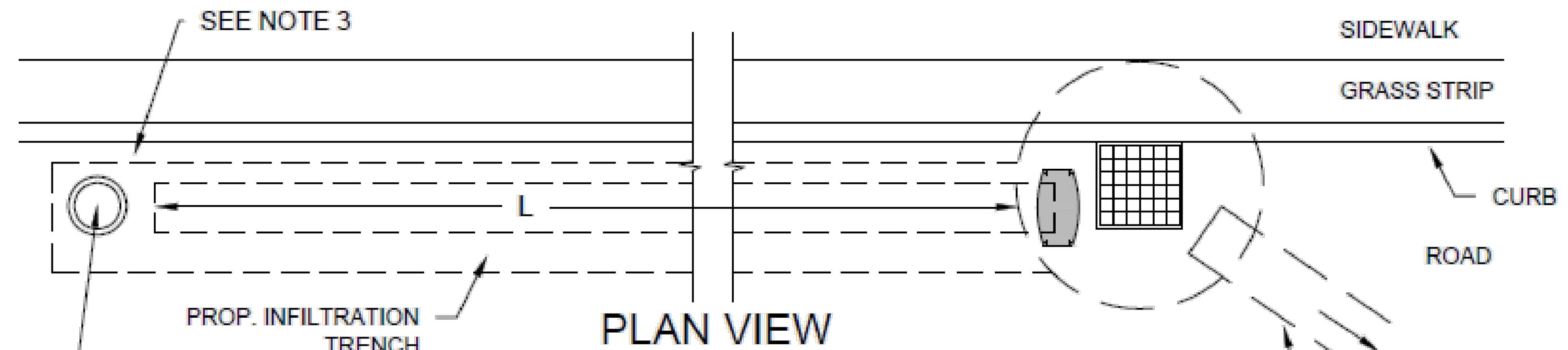
Town of  
**ARLINGTON**  
Engineering Division  
51 Grove Street  
Arlington, MA 02476

# 2021 GREEN INFRASTRUCTURE IMPROVEMENTS PROJECT

# ARLINGTON CONSTRUCTION DETAILS

Drawn By: AC	Sheet:
Verified By: WCC	
Scale: NTS	
Date: FEBRUARY 2021	<b>13</b>

SEE NOTE 3



PLAN VIEW

CAST IRON HAND HOLE  
OBSERVATION AND  
ACCESS PORT. H-20 RATED8" PVC RISER WITH  
THREADED CAP;  
OPEN AT BOTTOM8" CAP  
3/4" to 1-1/2" CLEAN, DOUBLE  
WASHED STONE

EX. RIM

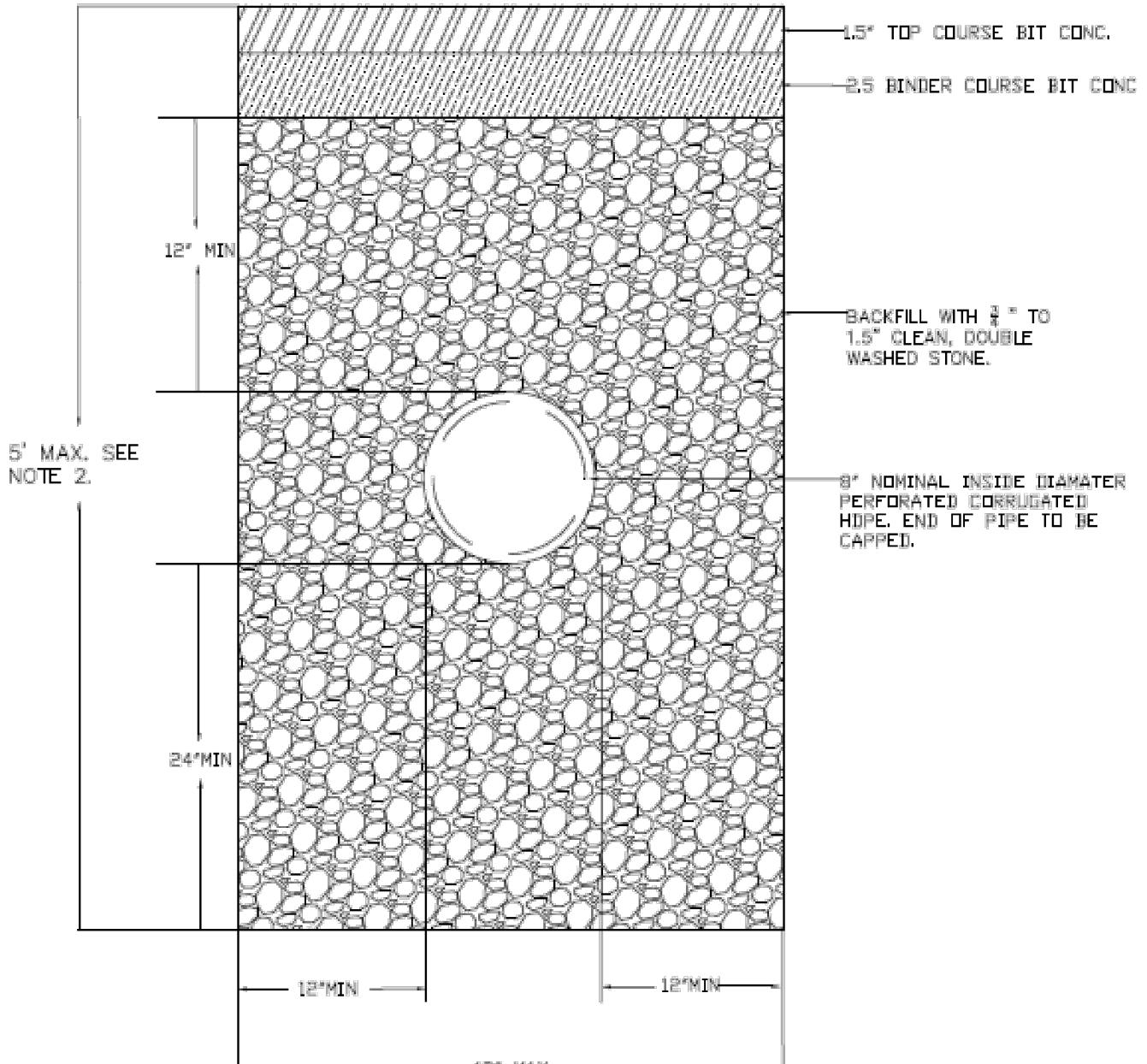
EX. CATCH  
BASIN (TYPICAL)ELIMINATOR (OR EQUAL)  
OIL/DEBRIS TRAP. SEE  
NOTE 2EX. INV(O)  
3" BELOW EX. INV (O)EX. SUMP  
PROP. INV(O)  
3" BELOW EX. INV (O)

24" MIN

8" NOMINAL ID PERFORATED  
CORRUGATED HDPE PIPE

PROFILE VIEW

### TYPICAL REBUILD OF DRAINAGE/SEWER STRUCTURE



## NOTES:

1. ALL BACKFILL SHALL BE COMPAKTED IN 12 INCH LIFTS.
2. DEPTH MAY BE INCREASED BY 1 FOOT IF STONE IS PLACED PRIOR TO PERSONNEL ENTERING THE TRENCH.
3. MEASURES SHALL BE TAKEN TO PREVENT MIGRATION OF FINES INTO BACKFILL.
4. PIPE SPECS BASED OFF HD100EC PIPE MANUFACTURED BY LANE ENTERPRISES.

## NOTES:

1. PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A FORMAL SURVEY OF THE PROJECT AREAS WAS NOT CONDUCTED. UTILITY LOCATIONS AND INVERT MEASUREMENTS ARE APPROXIMATE.
2. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG-SAFE AND ALL APPLICABLE UTILITIES OF THE PROPOSED WORK PRIOR TO ANY EXCAVATION. THE TOWN OF LEXINGTON IS NOT A MEMBER OF DIG-SAFE AND MUST BE NOTIFIED DIRECTLY AT LEAST 72 HOURS PRIOR TO EXCAVATION BY CALLING THE TOWN OF LEXINGTON OPERATIONS AT 781-274-8300.
3. TRENCHES HAVE BEEN PROPOSED IN LOCATIONS WHERE NO UTILITY CONFLICTS WERE APPARENT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPLICABLE UTILITIES FOR APPROPRIATE MARK-OUTS AND CONFIRMING NO CONFLICTS ARE PRESENT. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER SHOULD ANY EXISTING UTILITY CONFLICTS BE IDENTIFIED WITHIN PROPOSED TRENCH LIMITS.
4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING RESIDENTS AND ABUTTERS OF ANY WORK THAT MAY INTERFERE WITH DRIVEWAY AND WALKWAY ACCESS.
5. A RELATIVE LOCAL DATUM HAS BEEN SET FOR EACH TRENCH LOCATION. THE CATCHBASIN RIM ELEVATION HAS BEEN SET TO ZERO FEET (0.0') AT EACH LOCATION.
6. EXISTING ASPHALT SHOULD BE SAWCUT PRIOR TO EXCAVATION.
7. TRENCHES SHOULD BE BACKFILLED AND COMPAKTED IN 12 INCH LIFTS.
8. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE CONSTRUCTION SIGNAGE AND BARRIERS AS NEEDED AND SHALL BE INCIDENTAL TO THE CONTRACT.
9. CONTRACTOR TO MAINTAIN CLEAN WORK ZONE AND SWEEP WORK SITE DAILY.
10. PAVING TO BE COMPLETED WEEKLY.
11. EROSION CONTROL SHALL BE USED WHEN NECESSARY AND CONSIDERED INCIDENTAL TO THE CONTRACT. ANY SEDIMENT THAT ENTERS THE TOWN'S STORMWATER SYSTEM AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR.
12. CONTRACTOR SHOULD TAKE CARE TO NOT IMPACT NEARBY TREES DURING CONSTRUCTION.
13. ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE OF THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
14. DO NOT PARK, IMPEDE ACCESS TO, OR STORE EQUIPMENT BEYOND RIGHT OF WAY, UNLESS PERMISSION HAS BEEN GRANTED IN WRITING BY THE TOWN AND/OR LAND OWNER.

## DATE

## REVISION

## BY

1/22/21

VIEWPORTS

ML

1/25/21

DESIGN TABLES

ML

1/26/21

TRENCH LENGTHS

ML

STREET TRENCH DESIGNS AND LOCATIONS

Town of Lexington  
ENGINEERING  
DIVISION

DRAWN BY: ML DATE: 1/20/21 SCALE: N.T.S.  
DESIGNED BY: ML CHECKED BY: MS  
APPROVED BY: \_\_\_\_\_  
SHEET 14